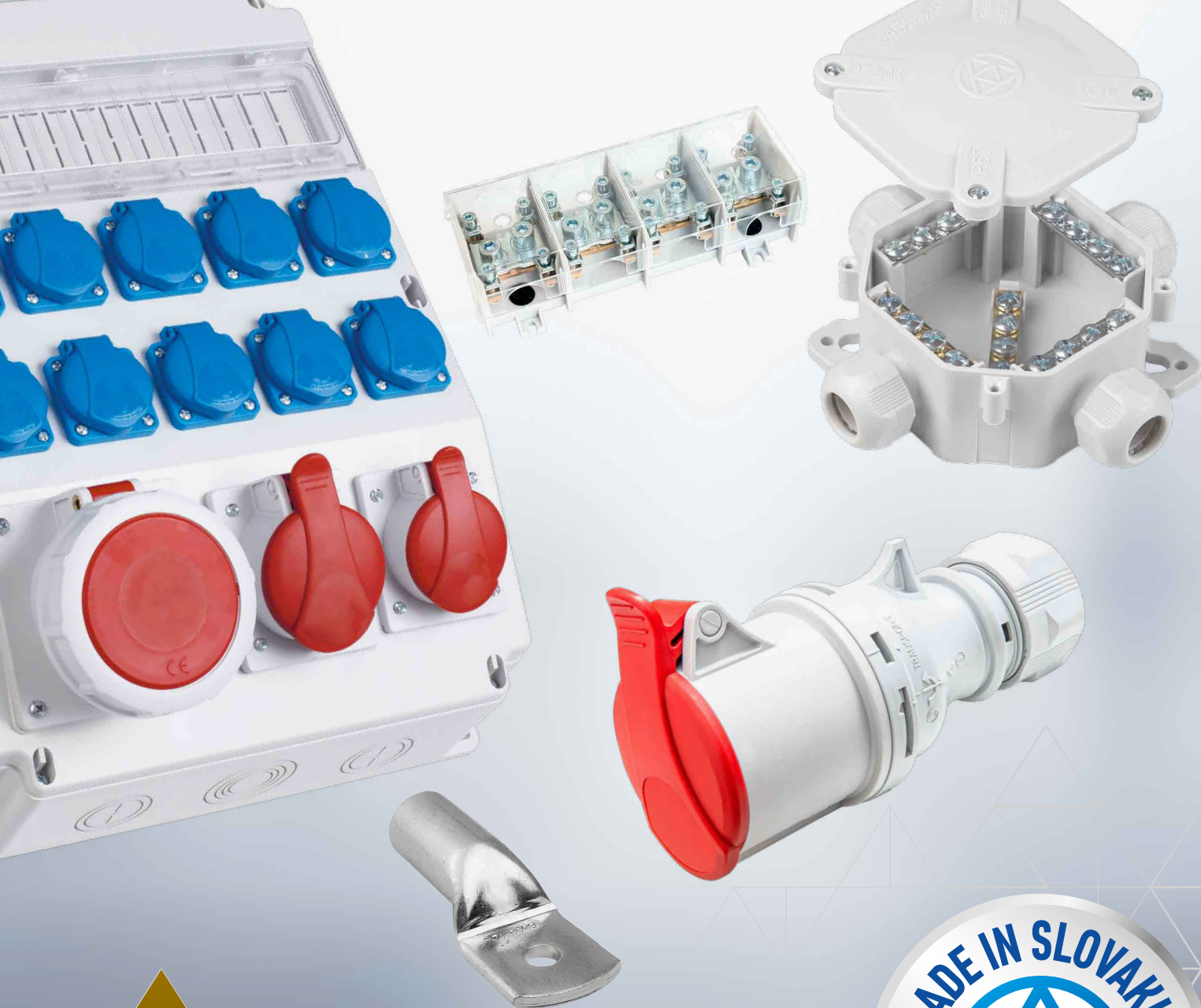




# PRODUCT CATALOGUE

CONNECTING  
ENERGY

MEMBER OF **FPD**



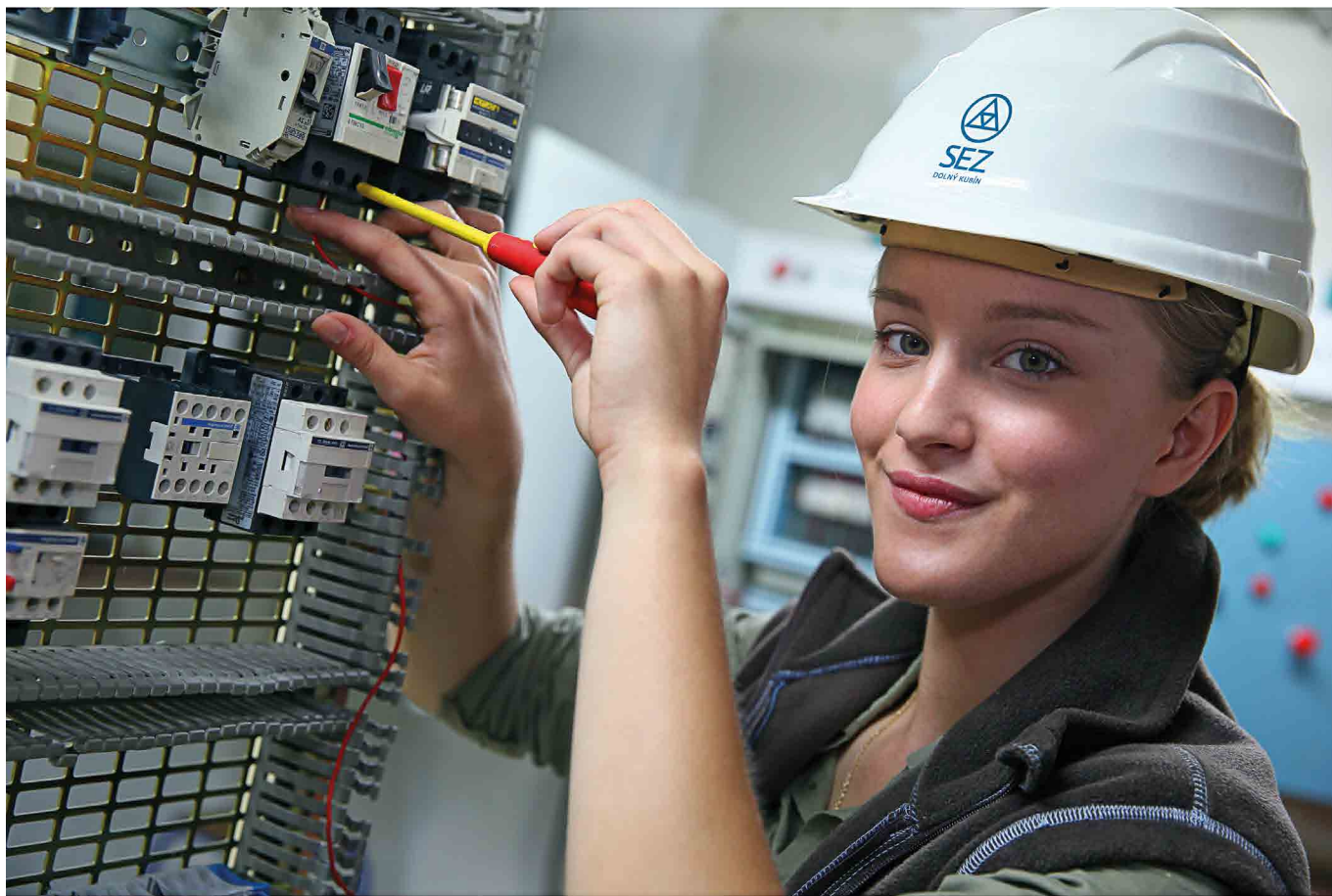




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## SEZ DK a. s.

Our company SEZ DK a.s. was founded in 1947 as one of the first plants given in the field of industrialization. Thanks to a long tradition, experience and state-of-the-art technology in the field of electrical installation production, we have long maintained our position as a leader in the countries of Central Europe.





### MARKET LEADER

Among the countries of Central Europe, we have maintained our position as a market leader in the production of electrical installation materials.

### MEMBER OF FPD GROUP

We have been a member of the FPD Group since 2009. The investors' priority was the renewal of the technology park and the introduction of a modern management system.

### PRODUCTION FACILITIES

Our production facilities cover an area of 50 569 m<sup>2</sup>. Within our production capacities, we cooperate with verified, renowned brands.

### SERVICES

We use our own development to develop products.

Our R&D department and tool shop ensure the construction and production of press moulds and mechanical tools. Our portfolio also includes a press, galvanization plant, metal production and assembly.

### ISO CERTIFICATION

We were awarded organisational management system certification according to ISO 9001, EN ISO 9001: 2015.

### EXPORT

We supply products that bear our brand to more than 25 countries around the world. Our export activities comprise up to 70 % of our total production.







## INDUSTRIAL SOCKETS AND PLUGS

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# INDUSTRIAL SOCKETS AND PLUGS

Our industrial plugs and sockets have been designed to connect electrical devices and consumers to low voltage in a broad spectrum of human activities. They are frequently applied in civil engineering, electric assembly sector, engineering industry and other sectors of the economy.

## TECHNICAL PARAMETERS:

- nominal current: 16 A, 32 A, 63 A, 125 A,
- nominal voltage: 110 V, 230 V, 400 V, 500 V,
  - nominal frequency: 50 Hz and 60 Hz,
- degree of protection: IP 44, IP 54, IP 67,
  - number of poles: 3P (2P+PE),
  - 4P (3P+PE),
  - 5P (3P+N+PE),
- operating temperature: od -25 °C do +55 °C.

Our sockets, plugs and connectors are manufactured under the STN EN 60309 – 1, 2, 4 norms which comply with European norms EN 60309 – 1, 2, 4 and international recommendation IEC 60309 – 1, 2, 4.

## QUALITY FIRST

The construction of our devices respects the demands on their strong reliability and durability as well as the requirements of health protection. In a short preview we summarise the fundamental security principles, which will be appreciated by all users of our industrial sockets and plugs.

## INSULATION RESISTANCE AND DIELECTRIC STRENGTH OF THE DEVICES MUST BE SUFFICIENT

Tests are carried out to check the fulfilment of these requirements which immediately follow after the tests in the humidity chamber or room where the testing samples have been adjusted to prescribed temperature. Insulation resistance is measured by the voltage of approximately 500 V; the measuring begins one minute after the voltage has been applied. The insulation resistance must not be lower than 5 MOhm. Dielectric strength is measured by the 50 Hz/60 Hz frequency sinusoid voltage of 2 000 V (2 500 V respectively, for the devices with the nominal voltage of 500 V), which is applied for 1 minute. Neither flash-over nor breakdown must appear during the test.

## NON-BLOCKED DEVICES MUST HAVE ADEQUATE DISCONNECTING CAPACITY

A plug or a mobile socket is inserted into a built-in (wall) socket or a connecting built-in appliance, inlet (wall inlet) and subsequently pulled out with the frequency of 7,5 strokes per minute. The electric contact is maintained for not longer than 4 seconds and not shorter than 2 seconds. There are 50 cycles set for the 16 A and 32 A devices, 20 cycles for 63 A and 125 A devices, respectively. The samples are tested at the 1,1 level of Surface treatment contacts; and 1,25 level of nominal current values and line current factor 0,6. A persistent arc must not appear during testing. When tested, the samples must not show any damage that would disable their further operation and plug pin inlets must not show any serious damage either. Our 63 A and 125 A sockets and plugs maintain sufficient switching capacity, their electrical blocking by a control (pilot) contact is therefore unnecessary.

## NORMAL OPERATION

The devices must be resistant to the effects of mechanical, electric and heat stress which may appear during normal operation without any excessive wear or other damaging effects. The non-blocked devices tested as described in Point 2 above are further tested in the following cycles:

- devices 16 A – 5000 cycles under load only.
- devices 32 A and 63 A – 1000 cycles under load, 1000 cycles unloaded.
- devices 125 A – 250 cycles under load, 250 cycles unloaded.
- loading condition: load of nominal voltage and nominal current under line current factor 0,6.

After test the samples must not show:

- any wear preventing further operation of the device and its possible blocking, respectively.
- any damage of cover or barriers.
- any damage of plug pin inlets which could cause malfunction.
- any loosening of electric or mechanical connections.

**WARNING** – Disconnecting capacity is required as protection in case of accidental insertion or release of a plug under load. According to STN 33 2180, industrial sockets and plugs are not designed for the operational switching on and off of electrical appliances.

## MECHANICAL RESISTANCE

Dismantling devices are equipped with the lighttest type of power supply cable of the smallest suitable cross-section. They are then frozen at the temperature of -25 °C. Subsequently, the free end of the 2,25 metre-long cable is attached to the wall at 75 cm over the ground. The sample is held so that the cable remains in horizontal position and then is dropped onto the concrete floor. The process is repeated eight times, while the cable is twisted of 45° in the point of attachment before each trial. After tests the samples must not show any damage, chiefly, none of the parts may be loosened or separated.

## HEAT AND COMBUSTION RESISTANCE

Parts made of insulation material are tested by static burden by an appropriate testing device. The surface of tested parts is placed in horizontal position and a steel ball with 5 mm diameter is pressed into that surface with the force of 20 N.

Testing takes place in a heat chamber at the temperatures of:

- 125 °C for parts which carry the live parts of dismantling device.
- 80 °C for other parts.

The ball is removed after one hour and the diameter of the impression is measured. If the material has been deformed, the diameter must not exceed 2 mm.

The external parts of insulation material and insulation parts that carry the live parts of device must be resistant to excessive heat and combustion. The hot wire test, described in IEC 60695-2-1, is used to check if this requirement is fulfilled.

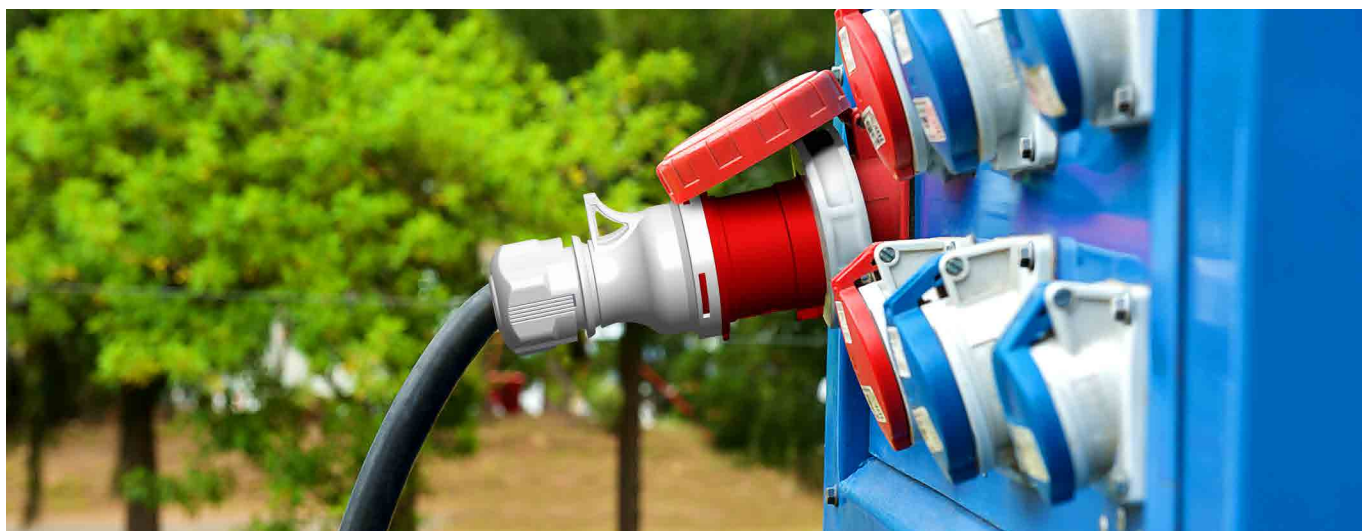
The temperature of hot wire is:

- 650 °C for insulation material parts not needed to keep the conducting parts and protection circuit parts in their position even though they touch them.,
- 850 °C for insulation material parts needed to keep the conducting parts and protection circuit parts in their position.

The contact lasts 30 seconds.







A device passed the hot wire test, if:

- neither perceivable flame nor permanent heating had appeared or the flame or the heating of the sample or its surroundings ceased within 30 seconds after the hot wire had been removed and the surrounding parts did not burn completely.

### THE RESISTANCE OF RUBBER AND THERMOPLASTIC TO AGEING

The devices with rubber or thermoplastic covers and elastomeric parts, such as joint rings and washers, must show sufficient resistance to ageing which is checked by accelerated ageing test in the atmosphere with normal air composition and pressure. The samples hung freely in a heat chamber with the natural circulation of air.

The chamber temperature and test duration are as follows:

- 70 °C and 10 days for rubber.
- 80 °C and 7 days for thermoplastic.

The samples are examined after the chamber has been cooled to standard room temperature. No cracks may be visible to the naked eye and the surface must not be sticky or greasy. The samples must not show any damage which would lead to the failure of standard requirements.

The design of the devices ensures that the devices with different working voltages are not interchangeable. The working voltage of a device is determined by the position of the key groove and the protective contact, the so-called hour angle, when the key groove is always in the position of 6 hours. The figure of the hour angle is derived from the position of the protective contact compared to the clock face, the socket being observed from the front. To prevent fault connection, the socket is fitted with a key groove, while the plug is fitted with a key. The diameter of protective pin is different from that of phase pin, wrong insertion is therefore completely excluded.

### THE INSTALLATION OF SOCKETS AND CONNECTORS ON FLAMMABLE SURFACES

To meet the requirements of STN 33 2312, sockets and inlets cannot be installed directly on flammable or easily combustible surfaces. It is necessary to separate them from such surfaces by a non-flammable, heat-insulating plate at least 5 mm thick, protruding at least 10 mm on each side, or they must be installed in at least 30 mm distance from the flammable surface, e.g. on consoles in accordance with STN 33 2312.

Dimensioning of connecting terminals

| Socket system IEC (A) | Motor output (kW) |       | Connecting terminals for conductor (mm <sup>2</sup> ) |                              |
|-----------------------|-------------------|-------|-------------------------------------------------------|------------------------------|
|                       | 400 V             | 500 V | mobile wiring flexible conductor                      | fixed wiring rigid conductor |
| 16                    | 7                 | 9     | 1 - 2,5 Cu                                            | 1 - 4 Cu/Al                  |
| 32                    | 15                | 20    | 2,5 - 6 Cu                                            | 2,5 - 10 Cu/Al               |
| 63                    | 30                | 40    | 4 - 16 Cu                                             | 6 - 25 Cu/Al                 |
| 125                   | 60                | 80    | 16 - 50 Cu                                            | 16 - 70 Cu/Al                |

kW data are approximate

In 63 A devices we have widen the assortment by the 5-pole appliances in protection IP 67 whose shape is adjusted to 16 A and 32 A series. They are distinguished from the IP 44 versions by the letter G., i.e. cable sockets ISGN, cable plugs IVGN, wall sockets IZGN, wall inlets IPGN, panel sockets IEGN, panel inlets IRGN and panel inlets straight IRRGN. The authentic technical solutions of the connecting terminals and the cable fixing and its sealing have been used also in these sockets and plugs.

### REVERSING ADAPTERS, ADAPTERS

Reversing adapters "RA" 32 A and 16 A providing the change of the phase sequence and the adapter "A" from 5-pole socket into a 4-pole socket have been added to the range of goods of our production. Its use is allowed on the symmetric load since the 4-pole socket has the 3P + PE type of connection.

### PANEL SOCKETS, PANEL INLETS ANGLED, STRAIGHT, REVERSE

All appliances in this product group 16 A and 32 A, in versions 3P, 4P, 5P, 6h are exceptional in that they use a uniform mounting base with external dimensions of 75x75 mm for mounting on the panel as well as a common spacing of mounting holes 60 x 60 mm which simplifies and unifies their assembly and interchangeability. The terminal parts are identical to other sockets and plugs.

### WALL SOCKETS WITH BOX UNDER PLASTER

The IZV socket will find its scope and use in the tidy-looking interiors above all, where the emphasis is put on the accurate implementation and a decent presence of industrial sockets. The box embedded in the plaster is common for all of the types. 6 openings for conductor inputs are situated on the box – 4 of them of oval shape on the side walls and 2 of round shape on the bottom of the box. The boxes can be connected in a row of any length by the connecting element PR-10 interacting with special protrusions on the boxes.

## WALL SOCKETS-COMBINED

Our new product of a type designation IZVZ combines 400 V and 230 V socket in one product. It finds its use in all the cases when the situation calls for a simultaneous connection of a single-phase and three-phase device. A special emphasis was put on the electric capability, safety and user-friendliness in course of the development of the device. IZVZ is supplied on the market in the cover of IP 44 and in versions 16 A 4P (IZVZ 1643), 16 A 5P (IZVZ 1653). The 32-amper variants (IZVZ 3243, IZVZ 3253) are delivered with a case for a tube fuse 16 A for single phase 230 V/16 A socket safety.

## INDUSTRIAL PLUGS AND SOCKETS 125 A

In 2008 we added into our range of products the following products: industrial plugs, inlets and sockets of current 125 A in 3, 4, 5 poles with voltage 110 V, 230 V, 400 V and 500 V in protection IP 67.

## NEW SERIES OF 16A/230 V, 3P INDUSTRIAL PLUGS, SOCKETS AND INLETS

Our production portfolio has been completed by the newly developed industrial plugs and sockets under Types IVN, ISN, IZN, IPN, IRRN, IERN with the nominal current of 16 A, 3 P, 230 V.

## SCREWLESS SERIES

Company SEZ DK expanded its assortment in new screwless range 16 A and 32 A – 5-poles industrial sockets and plugs IVB, ISB, IZB, IPB, IEB, IERB, IRRB (letter B means screwless).

Generally, the system of screwless terminal can be solved in many ways and our system uses the principle of a spring terminal, featuring a screwless spring clamp which allows to connect rigid conductors up to cross section 4 mm<sup>2</sup> in 16 A appliances and flexible wires up to 2,5 mm<sup>2</sup>. In 32 A the cross section are 10 mm<sup>2</sup> for rigid and 6 mm<sup>2</sup> for flexible wires respectively. Connection of male or female pin with holder of spring clamp is realized by a special orbital riveting. Successful implementation of this technical principle we achieved firm and fast connection with no further need of continuous control of connection quality and safety during its use.

New technical solution markedly shortens time of montage in 39 % in compare with screw sockets and plugs. Reduction of this time is achieved that covers of plugs and sockets are in transport unlocked position (opening without using of screwdriver) and also plugs, inlets and sockets contacts are delivered in open position (operating levers are detached) and after putting of stripped wire (rated length is 12 mm) you just to push the operating

levers down and the wire is fastened. Particular operating levers are distinguished by respective colours and together with the indicative marking on the plastic body the chance of a wrong connection of individual wires is minimalized.

## PILOT CONTACTS

Plugs and sockets with nominal current 125 A are offered also with pilot contacts. They are placed in the middle of socket and they interrupt input by the contactor from the network during pulling the plug out. Contacts are disconnected without current and there is no burning on them.

## DEGREE OF PROTECTION IP

Stated in the catalogue our plugs and sockets with the nominal current 16 A, 32 A, 63 A meet the degree of protection of IP 44, IP 54 or IP 67 and 63 A, 125 A reach IP 67 in compliance with STN EN 60529.

The degree of protection is tested:

- on the sockets themselves and also in their coupled position.
- on plugs and inlets after their full coupling with the corresponding sockets.

IP xx

Protection against solid bodies

Protection against water

| First digit | Protection against solid bodies                                  | Second digit | protection against water                                                         |
|-------------|------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------|
| 0           | non protected                                                    | 0            | non protected                                                                    |
| 1           | protected against solid foreign objects of 50 mm Ø and greater   | 1            | protected against vertically falling water drops                                 |
| 2           | protected against solid foreign objects of 12,5 mm Ø and greater | 2            | protected against vertically falling water drops when enclosure tilted up to 15° |
| 3           | protected against solid foreign objects of 2,5 mm Ø and greater  | 3            | protected against spraying water (rain up to a slope of 60°)                     |
| 4           | Protected against solid foreign objects of 1,0 mm Ø and greater  | 4            | protected against splashing water                                                |
| 5           | dust - protected                                                 | 5            | protected against water jets                                                     |
| 6           | dust - tight                                                     | 6            | protected against powerful water jets                                            |
|             |                                                                  | 7            | protected against temporary immersion in water (0,15 to 1 m depth, 30 min.)      |
|             |                                                                  | 8            | protected against continuous submersion in water under defined pressure and time |





Faster and more comfortable installation, average mounting time shortened by 39%. The total length of plugs and sockets was significantly shortened.

Body covers of plugs and sockets are supplied in unlocked but still transport-safe position for faster mounting.

A new design of a cable inlet bushing as well as the ergonomic shape of a sealing nut improves manipulation while mounting the cable and its sealing.



The appropriate colours of actuating levers are used for clear identification: L1, L2, L3, N, and PE. Contacts are supplied in open stand-by position for faster wires mounting.

The lamellar clasp remains safely locked by two serrations in the body of the product even during the manipulation with a cable.

### MARKING OF PRODUCTS:

#### Key for industrial plugs and inlets

##### Example of marking

|   |   |   |   |    |   |   |
|---|---|---|---|----|---|---|
| I | V | G | N | 63 | 5 | 3 |
| I | x | G | N | x  | x | x |

I - industrial

V - cable plug

P - wall inlet

R - inlet

RR - panel inlet straight

G - degree of protection IP 67

N - new series

NO - reversing

B - screwless

##### Voltage

1 - 100 V

2 - 230 V

3 - 400 V

5 - 500 V

##### Number of poles

3 - 3 poles

4 - 4 poles

5 - 5 poles

##### Current

16 - 16 A

32 - 32 A

63 - 63 A

125 - 125 A

#### Key for industrial sockets

##### Example of marking

|   |   |   |   |    |   |   |
|---|---|---|---|----|---|---|
| I | Z | G | N | 63 | 5 | 3 |
| I | x | G | N | x  | x | x |

I - industrial

S - cable socket

Z - wall socket

E - panel socket

ER - panel socket straight

G - degree of protection IP 67

N - new series

B - screwless

VZ - wall socket-combined

V - wall sockets with box

under plaster

VN - wall sockets with box

##### Voltage

1 - 100 V

2 - 230 V

3 - 400 V

5 - 500 V

##### Number of poles

3 - 3 poles

4 - 4 poles

5 - 5 poles

##### Current

16 - 16 A

32 - 32 A

63 - 63 A

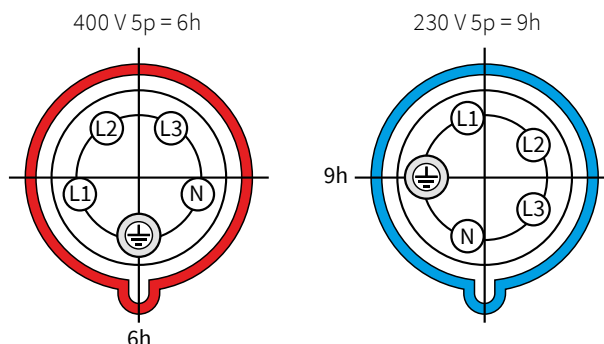
125 - 125 A

### COLOUR CODES:

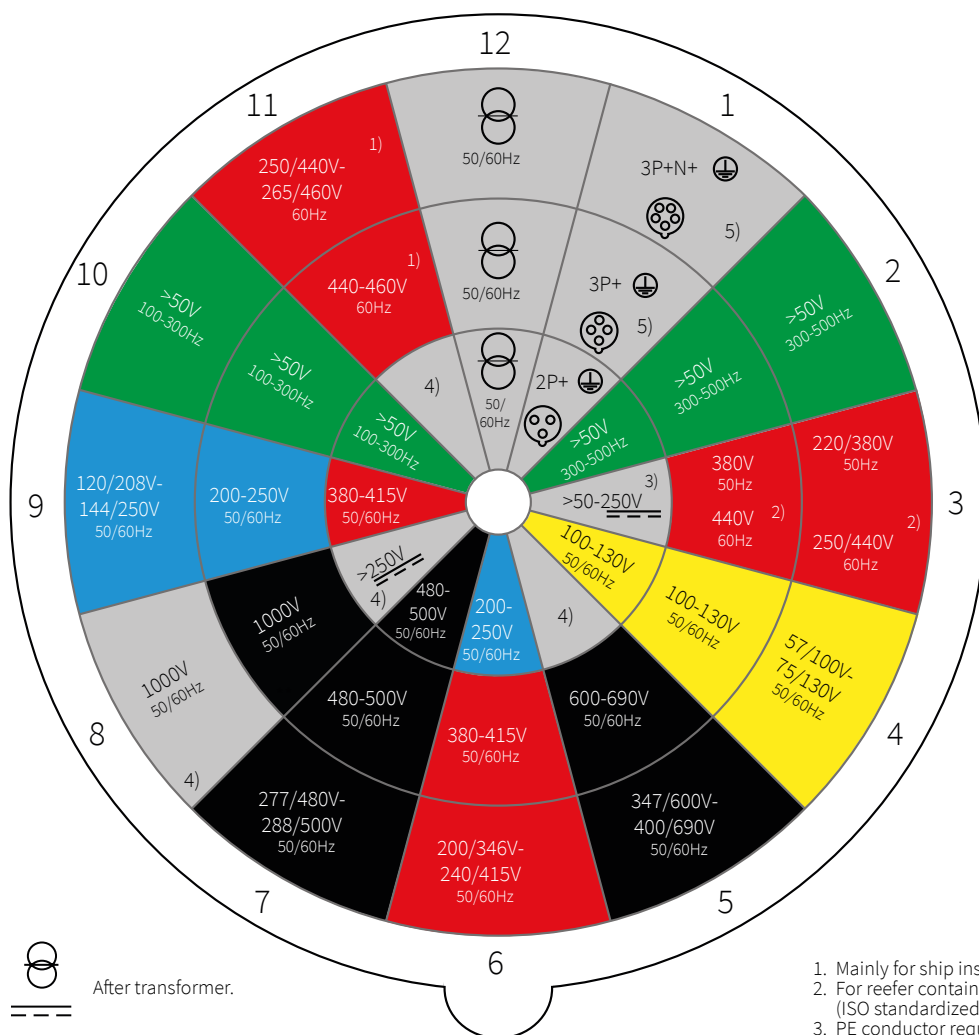
To facilitate the identification of different are all CEE plugs and sockets colour coded.

| Nominal voltage | Colour code |
|-----------------|-------------|
| 20 – 25 V       | violet      |
| 100 – 130 V     | yellow      |
| 200 – 250 V     | blue        |
| 380 – 480 V     | red         |
| 500 – 690 V     | black       |

Hour position of the earthing contact.  
View: frontside socket.



CEE Plug-in devices for operating voltages above 50 V.



1. Mainly for ship installations.
2. For reefer containers only (ISO standardized).
3. PE conductor required.
4. Not used clock positions.
5. Clock positions not normed and free for use for special applications.

### Cable plugs IP44/IP54 - 16 A/ 32 A

- Screw contacts.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.
- Ord. No. 100006, 100009 have IP54 protection.



100014

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)  |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|--------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |              |
| 16   | 3     | 100000<br>(IVN 1631)     | 100006<br>(IVN 1632)                   |                                        | 100018<br>(IVN 1635)     | 10/10/- / 10 |
| 16   | 4     | 100001<br>(IVN 1641)     | 100007<br>(IVN 1642)                   | 100013<br>(IVN 1643)                   | 100019<br>(IVN 1645)     | 10/10/10/10  |
| 16   | 5     | 100002<br>(IVN 1651)     | 100008<br>(IVN 1652)                   | 100014<br>(IVN 1653)                   | 100020<br>(IVN 1655)     | 10/10/10/10  |
| 32   | 3     | 100003<br>(IVN 3231)     | 100009<br>(IVN 3232)                   |                                        | 100021<br>(IVN 3235)     | 10/10/- / 10 |
| 32   | 4     | 100004<br>(IVN 3241)     | 100010<br>(IVN 3242)                   | 100016<br>(IVN 3243)                   | 100022<br>(IVN 3245)     | 10/10/10/10  |
| 32   | 5     | 100005<br>(IVN 3251)     | 100011<br>(IVN 3252)                   | 100017<br>(IVN 3253)                   | 100023<br>(IVN 3255)     | 10/10/10/10  |

### Cable plugs - Screwless IP44 - 16 A/32 A

- Screwless contacts.
- Self-locking click system of cover.
- Lamellar gland for fixing and sealing the cable without the use of a tool.
- Miniature dimensions with ergonomic grip and lid opening.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.



100104

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.) |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|-------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |             |
| 16   | 3     | 100090<br>(IVB 1631)     | 100096<br>(IVB 1632)                   |                                        |                          | 10/10/- / - |
| 16   | 4     | 100091<br>(IVB 1641)     | 100097<br>(IVB 1642)                   | 100103<br>(IVB 1643)                   |                          | 10/10/10/-  |
| 16   | 5     | 100092<br>(IVB 1651)     | 100098<br>(IVB 1652)                   | 100104<br>(IVB 1653)                   |                          | 10/10/10/-  |
| 32   | 3     | 100093<br>(IVB 3231)     | 100099<br>(IVB 3232)                   |                                        |                          | 10/10/- / - |
| 32   | 4     | 100094<br>(IVB 3241)     | 100100<br>(IVB 3242)                   | 100106<br>(IVB 3243)                   |                          | 10/10/10/-  |
| 32   | 5     | 100095<br>(IVB 3251)     | 100101<br>(IVB 3252)                   | 100107<br>(IVB 3253)                   |                          | 10/10/10/-  |

### Cable plugs - Phase reverse IP44 - 16 A/32 A

- Screw contacts.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.
- In position can be changed by turning the screwdriver by 180 degrees to achieve the phase change.



100194

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

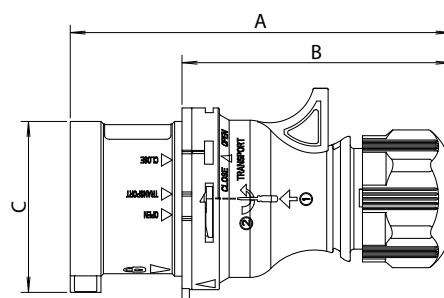
| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)    |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|----------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |                |
| 16   | 4     |                          |                                        | 100193<br>(IVNO 1643)                  |                          | - / - / 10 / - |
| 16   | 5     |                          |                                        | 100194<br>(IVNO 1653)                  |                          | - / - / 10 / - |
| 32   | 4     |                          |                                        | 100196<br>(IVNO 3243)                  |                          | - / - / 10 / - |
| 32   | 5     |                          |                                        | 100197<br>(IVNO 3253)                  |                          | - / - / 10 / - |



## Cable plugs IP44/IP54 - 16 A/ 32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |    |           |
|-----|-------|------------------------|-----------------|-----|----|-----------|
|     |       |                        | A               | B   | C  | R         |
| 16  | 3     | 100006                 | 124             | 88  | 47 | 7,5 - 15  |
|     |       | 100000, 100018         | 122             | 86  | 47 | 6 - 15    |
| 16  | 4     | 100013                 | 124             | 88  | 53 | 7,5 - 15  |
|     |       | 100001, 100007, 100019 | 128             | 92  | 53 | 6 - 15    |
| 16  | 5     | 100014                 | 124             | 88  | 61 | 7,5 - 15  |
|     |       | 100002, 100008, 100020 | 134             | 98  | 61 | 8 - 16    |
| 32  | 3     | 100009                 | 150             | 105 | 63 | 11 - 20   |
|     |       | 100003, 100021         | 150             | 104 | 63 | 11,5 - 20 |
| 32  | 4     | 100016                 | 150             | 105 | 63 | 11 - 20   |
|     |       | 100004, 100010, 100022 | 150             | 104 | 63 | 11,5 - 20 |
| 32  | 5     | 100017                 | 150             | 105 | 70 | 11 - 20   |
|     |       | 100005, 100011, 100023 | 155             | 109 | 70 | 11,5 - 22 |

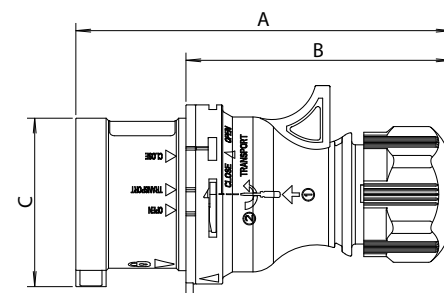
R - sealing range



## Cable plugs - Screwless IP44 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |    |           |
|-----|-------|------------------------|-----------------|-----|----|-----------|
|     |       |                        | A               | B   | C  | R         |
| 16  | 3     | 100090, 100096         | 122             | 86  | 47 | 6 - 15    |
|     |       | 100091, 100097, 100103 | 128             | 92  | 53 | 6 - 15    |
| 16  | 5     | 100104                 | 132             | 88  | 61 | 7,5 - 15  |
|     |       | 100092, 100098         | 134             | 98  | 61 | 8 - 16    |
| 32  | 3     | 100093, 100099         | 150             | 104 | 63 | 11,5 - 20 |
|     |       | 100094, 100100, 100106 | 150             | 104 | 63 | 11,5 - 20 |
| 32  | 5     | 100107                 | 160             | 105 | 70 | 11 - 20   |
|     |       | 100095, 100101         | 155             | 109 | 70 | 11,5 - 22 |

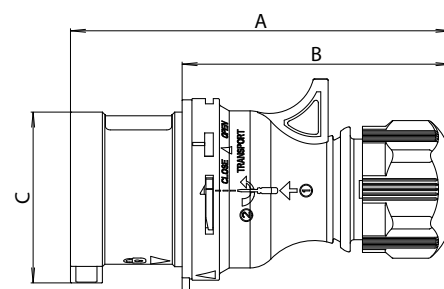
R - sealing range



## Cable plugs - Phase reverse IP44 - 16 A/32 A

| Amp | Poles | Ord. No. | Dimensions (mm) |     |    |           |
|-----|-------|----------|-----------------|-----|----|-----------|
|     |       |          | A               | B   | C  | R         |
| 16  | 4     | 100193   | 128             | 92  | 53 | 6 - 15    |
| 16  | 5     | 100194   | 132             | 88  | 61 | 7,5 - 15  |
| 32  | 4     | 100196   | 150             | 104 | 63 | 11,5 - 20 |
| 32  | 5     | 100197   | 160             | 105 | 70 | 11 - 20   |

R - sealing range



### Cable plugs IP44 - 63 A

- Screw contacts.
- Flexible conductors 6 - 16 mm<sup>2</sup>.



100278

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 63   | 3     |                          | 100273<br>(IVN 6332)                   |                                        |                          | - / 2 / - / - |
| 63   | 4     |                          |                                        | 100277<br>(IV 6343)                    | 100280<br>(IV 6345)      | - / - / 2 / 2 |
| 63   | 5     |                          |                                        | 100278<br>(IVN 6353)                   |                          | - / - / 2 / - |

### Cable plugs IP67 - 16 A/32 A

- Screw contacts.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.



100364

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)      |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|------------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |                  |
| 16   | 3     | 100350<br>(IVG 1631)     | 100356<br>(IVG 1632)                   |                                        | 100368<br>(IVG 1635)     | 10 / 5 / - / 10  |
| 16   | 4     | 100351<br>(IVG 1641)     | 100357<br>(IVG 1642)                   | 100363<br>(IVG 1643)                   | 100369<br>(IVG 1645)     | 10 / 10 / 5 / 10 |
| 16   | 5     | 100352<br>(IVG 1651)     |                                        | 100364<br>(IVG 1653)                   | 100370<br>(IVG 1655)     | 10 / - / 5 / 10  |
| 32   | 3     | 100353<br>(IVG 3231)     | 100359<br>(IVG 3232)                   |                                        | 100371<br>(IVG 3235)     | 10 / 5 / - / 10  |
| 32   | 4     | 100354<br>(IVG 3241)     | 100360<br>(IVG 3242)                   | 100366<br>(IVG 3243)                   | 100372<br>(IVG 3245)     | 10 / 10 / 5 / 10 |
| 32   | 5     | 100355<br>(IVG 3251)     |                                        | 100367<br>(IVG 3253)                   | 100373<br>(IVG 3255)     | 10 / - / 5 / 10  |

### Cable plugs - Screwless IP67 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.



100464

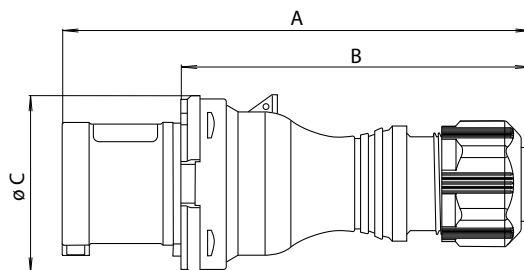
Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)      |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|------------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |                  |
| 16   | 3     | 100450<br>(IVGB 1631)    | 100456<br>(IVGB 1632)                  |                                        |                          | 10 / 10 / - / -  |
| 16   | 4     | 100451<br>(IVGB 1641)    | 100457<br>(IVGB 1642)                  | 100463<br>(IVGB 1643)                  |                          | 10 / 10 / 10 / - |
| 16   | 5     | 100452<br>(IVGB 1651)    | 100458<br>(IVGB 1652)                  | 100464<br>(IVGB 1653)                  |                          | 10 / 10 / 10 / - |
| 32   | 3     | 100453<br>(IVGB 3231)    | 100459<br>(IVGB 3232)                  |                                        |                          | 10 / 10 / - / -  |
| 32   | 4     | 100454<br>(IVGB 3241)    | 100460<br>(IVGB 3242)                  | 100466<br>(IVGB 3243)                  |                          | 10 / 10 / 10 / - |
| 32   | 5     | 100455<br>(IVGB 3251)    | 100461<br>(IVGB 3252)                  | 100467<br>(IVGB 3253)                  |                          | 10 / 10 / 10 / - |

## Cable plugs IP44 - 63 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |     |           |
|-----|-------|----------------|-----------------|-----|-----|-----------|
|     |       |                | A               | B   | Ø C | R         |
| 63  | 3     | 100273         | 250             | 184 | 102 | 14,5 - 36 |
| 63  | 4     | 100277, 100280 | 239             | 142 | 83  | 16 - 26   |
| 63  | 5     | 100278         | 245             | 178 | 101 | 16 - 32,5 |

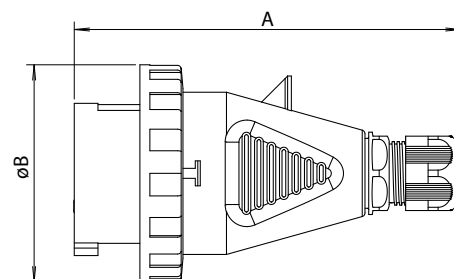
R - sealing range



## Cable plugs IP67 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |           |
|-----|-------|------------------------|-----------------|-----|-----------|
|     |       |                        | A               | Ø B | R         |
| 16  | 3     | 100356                 | 149             | 70  | 9 - 16    |
|     |       | 100350, 100368         | 122             | 71  | 6 - 15    |
| 16  | 4     | 100363                 | 155             | 78  | 9 - 16    |
|     |       | 100351, 100357, 100369 | 128             | 92  | 6 - 15    |
| 16  | 5     | 100364                 | 155             | 87  | 9 - 16    |
|     |       | 100352, 100370         | 134             | 98  | 8 - 16    |
| 32  | 3     | 100359                 | 174             | 92  | 12 - 18   |
|     |       | 100353, 100371         | 150             | 93  | 11,5 - 20 |
| 32  | 4     | 100366                 | 174             | 92  | 12 - 18   |
|     |       | 100354, 100360, 100372 | 150             | 93  | 11,5 - 20 |
| 32  | 5     | 100367                 | 174             | 100 | 12 - 18   |
|     |       | 100355, 100373         | 155             | 100 | 11,5 - 22 |

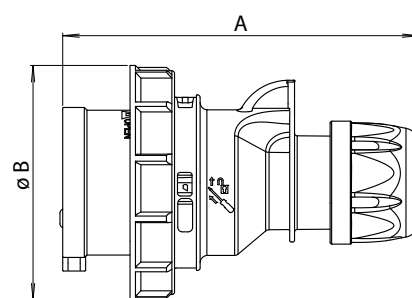
R - sealing range



## Cable plugs - Screwless IP67 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |           |
|-----|-------|------------------------|-----------------|-----|-----------|
|     |       |                        | A               | Ø B | R         |
| 16  | 3     | 100450, 100456         | 122             | 71  | 6 - 15    |
| 16  | 4     | 100451, 100457, 100463 | 128             | 79  | 6 - 15    |
| 16  | 5     | 100452, 100458, 100464 | 134             | 87  | 8 - 16    |
| 32  | 3     | 100453, 100459         | 150             | 93  | 11,5 - 20 |
| 32  | 4     | 100454, 100460, 100466 | 150             | 93  | 11,5 - 20 |
| 32  | 5     | 100455, 100461, 100467 | 155             | 100 | 11,5 - 22 |

R - sealing range





### Cable plugs IP67 - 63 A

- Screw contacts.
- Flexible conductors 6 - 16 mm<sup>2</sup>.



100538

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz   | Pkg. (pcs.)   |
|------|-------|-----------------------|-----------------------|-----------------------|----------------------|---------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                   |               |
| 63   | 3     | 100530<br>(IVGN 6331) | 100533<br>(IVGN 6332) |                       |                      | 2 / 2 / - / - |
| 63   | 4     | 100531<br>(IVGN 6341) |                       | 100537<br>(IVG 6343)  | 100540<br>(IVG 6345) | 2 / - / 2 / 2 |
| 63   | 5     | 100532<br>(IVGN 6351) |                       | 100538<br>(IVGN 6353) |                      | 2 / - / 2 / - |

### Cable plugs IP67 -125 A

- Screw contacts.
- Flexible conductors 16 - 50 mm<sup>2</sup>.



100618

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz     | 230 V~<br>50/60 Hz     | 400 V~<br>50/60 Hz     | 500 V~<br>50/60 Hz     | Pkg. (pcs.)   |
|------|-------|------------------------|------------------------|------------------------|------------------------|---------------|
|      |       | 4h                     | 3p=6h   4p+5p=9h       | 3p=9h   4p+5p=6h       | 7h                     |               |
| 125  | 3     | 100610<br>(IVGN 12531) | 100613<br>(IVGN 12532) |                        |                        | 2 / 2 / - / - |
| 125  | 4     | 100611<br>(IVGN 12541) |                        | 100617<br>(IVGN 12543) | 100620<br>(IVGN 12545) | 2 / - / 2 / 2 |
| 125  | 5     | 100612<br>(IVGN 12551) |                        | 100618<br>(IVGN 12553) | 100621<br>(IVGN 12555) | 2 / - / 2 / 2 |

### Plug type F – German standard IP68 - 16A

- Screw contacts.
- The plug type F – German standard is compatible with sockets ord. No. 103790, 103792.
- Mechanical resistance IK07.
- Degree of protection IP68 (30 minutes at a depth of 2 meters.)
- Flexible conductors 1 - 2,5 mm<sup>2</sup>.



100696

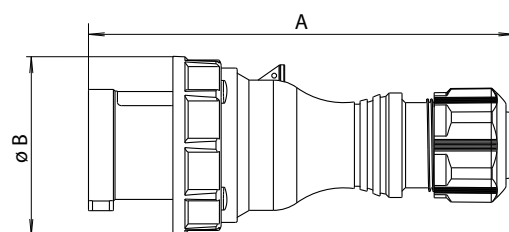
Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 250 V~<br>50/60 Hz | System                        | Pkg. (pcs.) |
|------|-------|--------------------|-------------------------------|-------------|
|      |       | 3p=6h   4p+5p=9h   |                               |             |
| 16   | 3     | 100696<br>(PVG 16) | Plug type F – German standard | 2           |

## Cable plugs IP67 - 63 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |           |
|-----|-------|----------------|-----------------|-----|-----------|
|     |       |                | A               | ø B | R         |
| 63  | 3     | 100530, 100533 | 250             | 115 | 14,5 - 36 |
| 63  | 4     | 100537, 100540 | 254             | 113 | 16 - 26   |
|     |       | 100531         | 250             | 115 | 14,5 - 36 |
| 63  | 5     | 100538         | 265             | 111 | 16 - 32,5 |
|     |       | 100532         | 250             | 115 | 14,5 - 36 |

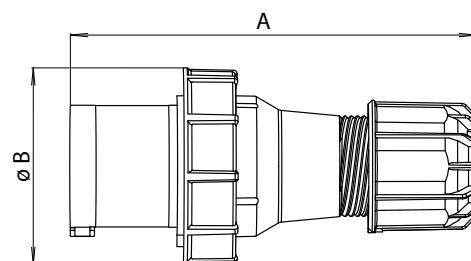
R - sealing range



## Cable plugs IP67 - 125 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |           |
|-----|-------|------------------------|-----------------|-----|-----------|
|     |       |                        | A               | ø B | R         |
| 125 | 3     | 100610, 100613         | 270             | 131 | 22,5 - 50 |
| 125 | 4     | 100611, 100617, 100620 | 270             | 131 | 22,5 - 50 |
| 125 | 5     | 100612, 100618, 100621 | 270             | 131 | 22,5 - 50 |

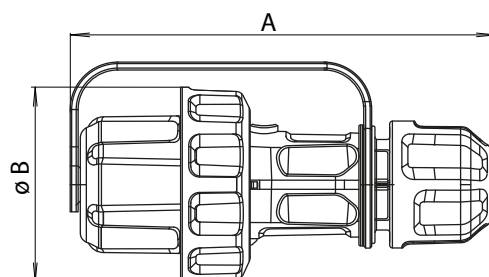
R - sealing range



## Plug type F - German standard IP68 - 16A

| Amp | Poles | Ord. No. | Dimensions (mm) |     |        |
|-----|-------|----------|-----------------|-----|--------|
|     |       |          | A               | ø B | R      |
| 16  | 3     | 100696   | 142             | 65  | 6 - 19 |

R - sealing range



## Cable sockets IP44/IP54 - 16 A/32 A

- Screw contacts.
- Self-locking click system of cover.
- Lamellar gland for fixing and sealing the cable without the use of a tool.
- Miniature dimensions with ergonomic grip and lid opening.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.
- Ord. No. 100736, 100739 have IP54 protection..



100743

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz   |              |
|------|-------|----------------------|----------------------|----------------------|----------------------|--------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                   |              |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                      | Pkg. (pcs.)  |
| 16   | 3     | 100730<br>(ISN 1631) | 100736<br>(ISN 1632) |                      | 100748<br>(ISN 1635) | 10/10/ - /10 |
| 16   | 4     | 100731<br>(ISN 1641) | 100737<br>(ISN 1642) | 100743<br>(ISN 1643) | 100749<br>(ISN 1645) | 10/10/10/10  |
| 16   | 5     | 100732<br>(ISN 1651) | 100738<br>(ISN 1652) | 100744<br>(ISN 1653) | 100750<br>(ISN 1655) | 10/10/10/10  |
| 32   | 3     | 100733<br>(ISN 3231) | 100739<br>(ISN 3232) |                      | 100751<br>(ISN 3235) | 10/10/ - /10 |
| 32   | 4     | 100734<br>(ISN 3241) | 100740<br>(ISN 3242) | 100746<br>(ISN 3243) | 100752<br>(ISN 3245) | 10/10/10/10  |
| 32   | 5     | 100735<br>(ISN 3251) | 100741<br>(ISN 3252) | 100747<br>(ISN 3253) | 100753<br>(ISN 3255) | 10/10/10/10  |

## Cable sockets IP44 - 63 A

- Screw contacts.
- Self-locking click system of cover.
- Lamellar gland for fixing and sealing the cable without the use of a tool.
- Miniature dimensions with ergonomic grip and lid opening.
- Flexible conductors 6 - 16 mm<sup>2</sup>.



Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz  |             |
|------|-------|--------------------|----------------------|----------------------|---------------------|-------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                  |             |
| Amp. | Poles | Ord. No. (Type)    |                      |                      |                     | Pkg. (pcs.) |
| 63   | 3     |                    | 100823<br>(ISN 6332) |                      |                     | - / 2/ -/-  |
| 63   | 4     |                    |                      | 100827<br>(IS 6343)  | 100830<br>(IS 6345) | - / - / 2/2 |
| 63   | 5     |                    |                      | 100828<br>(ISN 6353) |                     | - / - / 2/- |

## Cable sockets - Screwless IP44 - 16 A/32 A

- Screwless contacts.
- Self-locking click system of cover.
- Lamellar gland for fixing and sealing the cable without the use of a tool.
- Miniature dimensions with ergonomic grip and lid opening.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.



100914

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz |             |
|------|-------|----------------------|----------------------|----------------------|--------------------|-------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                 |             |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                    | Pkg. (pcs.) |
| 16   | 3     | 100900<br>(ISB 1631) | 100906<br>(ISB 1632) |                      |                    | 10/10/ -/-  |
| 16   | 4     | 100901<br>(ISB 1641) | 100907<br>(ISB 1642) | 100913<br>(ISB 1643) |                    | 10/10/10/-  |
| 16   | 5     | 100902<br>(ISB 1651) | 100908<br>(ISB 1652) | 100914<br>(ISB 1653) |                    | 10/10/10/-  |
| 32   | 3     | 100903<br>(ISB 3231) | 100909<br>(ISB 3232) |                      |                    | 10/10/ -/-  |
| 32   | 4     | 100904<br>(ISB 3241) | 100910<br>(ISB 3242) | 100916<br>(ISB 3243) |                    | 10/10/10/-  |
| 32   | 5     | 100905<br>(ISB 3251) | 100911<br>(ISB 3252) | 100917<br>(ISB 3253) |                    | 10/10/10/-  |

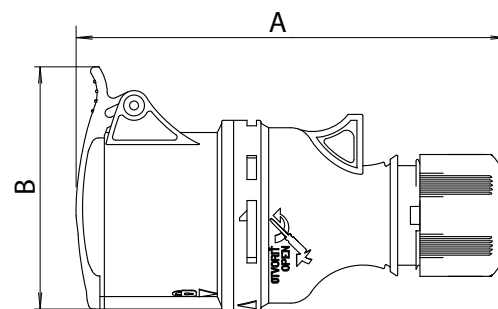
Products may differ from the illustration.



## Cable sockets IP44/IP54 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |           |
|-----|-------|------------------------|-----------------|-----|-----------|
|     |       |                        | A               | B   | R         |
| 16  | 3     | 100736                 | 145             | 79  | 7,5 - 15  |
|     |       | 100730, 100748         | 133             | 74  | 6 - 15    |
| 16  | 4     | 100743                 | 145             | 82  | 7,5 - 15  |
|     |       | 100731, 100737, 100749 | 138             | 82  | 6 - 15    |
| 16  | 5     | 100744                 | 145             | 89  | 7,5 - 15  |
|     |       | 100732, 100738, 100750 | 145             | 89  | 8 - 16    |
| 32  | 3     | 100739                 | 172             | 96  | 11 - 20   |
|     |       | 100733, 100751         | 161             | 94  | 11,5 - 20 |
| 32  | 4     | 100746                 | 177             | 96  | 11 - 20   |
|     |       | 100734, 100740, 100752 | 161             | 94  | 11,5 - 20 |
| 32  | 5     | 100747                 | 177             | 103 | 11 - 20   |
|     |       | 100735, 100741, 100753 | 168             | 99  | 11,5 - 22 |

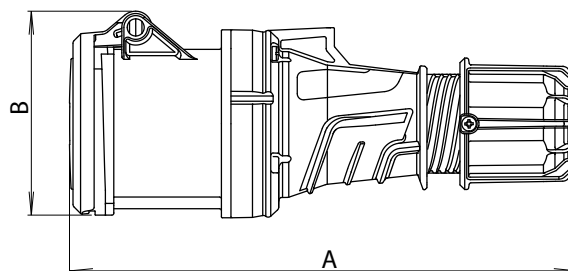
R - sealing range



## Cable sockets IP44 - 63 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |           |
|-----|-------|----------------|-----------------|-----|-----------|
|     |       |                | A               | B   | R         |
| 63  | 3     | 100823         | 269             | 107 | 14,5 - 36 |
| 63  | 4     | 100827, 100830 | 269             | 107 | 14,5 - 36 |
| 63  | 5     | 100828         | 269             | 107 | 14,5 - 36 |

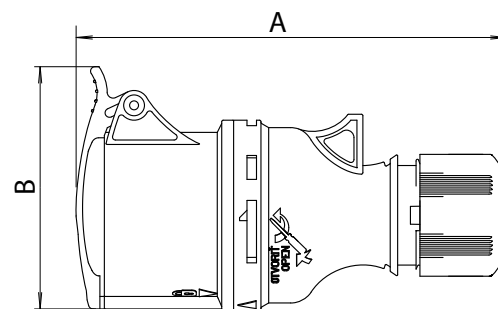
R - sealing range



## Cable sockets - Screwless IP44 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |           |
|-----|-------|------------------------|-----------------|-----|-----------|
|     |       |                        | A               | B   | R         |
| 16  | 3     | 100900, 100906         | 133             | 74  | 6 - 15    |
| 16  | 4     | 100901, 100907, 100913 | 138             | 82  | 7,5 - 15  |
| 16  | 5     | 100914                 | 145             | 89  | 7,5 - 15  |
|     |       | 100902, 100908         | 145             | 89  | 8 - 16    |
| 32  | 3     | 100903, 100909         | 161             | 94  | 11,5 - 20 |
| 32  | 4     | 100904, 100910, 100916 | 161             | 94  | 11,5 - 20 |
| 32  | 5     | 100917                 | 177             | 103 | 11 - 20   |
|     |       | 100905, 100911         | 168             | 99  | 11,5 - 22 |

R - sealing range



## Cable sockets IP67 - 16 A/32 A

- Screw contacts.
- Self-locking click system of cover.
- Lamellar gland for fixing and sealing the cable without the use of a tool.
- Miniature dimensions with ergonomic grip and lid opening.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.



101004

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz   |                  |
|------|-------|----------------------|----------------------|----------------------|----------------------|------------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                   |                  |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                      | Pkg. (pcs.)      |
| 16   | 3     | 100990<br>(ISG 1631) | 100996<br>(ISG 1632) |                      | 101008<br>(ISG 1635) | 10 / 5 / - / 10  |
| 16   | 4     | 100991<br>(ISG 1641) | 100997<br>(ISG 1642) | 101003<br>(ISG 1643) | 101009<br>(ISG 1645) | 10 / 10 / 5 / 10 |
| 16   | 5     | 100992<br>(ISG 1651) |                      | 101004<br>(ISG 1653) | 101010<br>(ISG 1655) | 10 / - / 5 / 10  |
| 32   | 3     | 100993<br>(ISG 3231) | 100999<br>(ISG 3232) |                      | 101011<br>(ISG 3235) | 10 / 5 / - / 10  |
| 32   | 4     | 100994<br>(ISG 3241) | 101000<br>(ISG 3242) | 101006<br>(ISG 3243) | 101012<br>(ISG 3245) | 10 / 10 / 5 / 10 |
| 32   | 5     | 100995<br>(ISG 3251) |                      | 101007<br>(ISG 3253) | 101013<br>(ISG 3255) | 10 / - / 5 / 10  |

## Cable sockets - Screwless IP67 - 16 A/32 A

- Screwless contacts.
- Self-locking click system of cover.
- Miniature dimensions with ergonomic grip and lid opening.
- 16 A - flexible conductors 1 - 2,5 mm<sup>2</sup>.
- 32 A - flexible conductors 2,5 - 6 mm<sup>2</sup>.



101094

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz |              |
|------|-------|-----------------------|-----------------------|-----------------------|--------------------|--------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                 |              |
| Amp. | Poles | Ord. No. (Type)       |                       |                       |                    | Pkg. (pcs.)  |
| 16   | 3     | 101080<br>(ISGB 1631) | 101086<br>(ISGB 1632) |                       |                    | 10/10/ - / - |
| 16   | 4     | 101081<br>(ISGB 1641) | 101087<br>(ISGB 1642) | 101093<br>(ISGB 1643) |                    | 10/10/10/ -  |
| 16   | 5     | 101082<br>(ISGB 1651) | 101088<br>(ISGB 1652) | 101094<br>(ISGB 1653) |                    | 10/10/10/ -  |
| 32   | 3     | 101083<br>(ISGB 3231) | 101089<br>(ISGB 3232) |                       |                    | 10/10/ - / - |
| 32   | 4     | 101084<br>(ISGB 3241) | 101090<br>(ISGB 3242) | 101096<br>(ISGB 3243) |                    | 10/10/10/ -  |
| 32   | 5     | 101085<br>(ISGB 3251) | 101091<br>(ISGB 3252) | 101097<br>(ISGB 3253) |                    | 10/10/10/ -  |

## Cable sockets IP67 - 63 A

- Screw contacts.
- Self-locking click system of cover.
- Lamellar gland for fixing and sealing the cable without the use of a tool.
- Miniature dimensions with ergonomic grip and lid opening.
- Flexible conductors 6 - 16 mm<sup>2</sup>.



101178

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

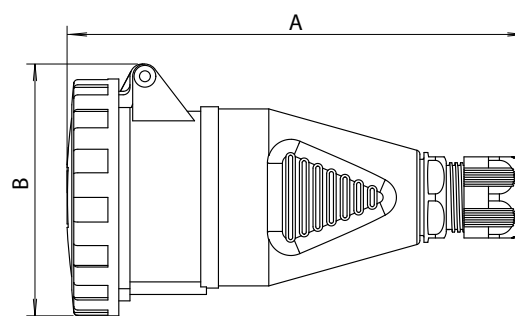
|      |       | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz   |               |
|------|-------|-----------------------|-----------------------|-----------------------|----------------------|---------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                   |               |
| Amp. | Poles | Ord. No. (Type)       |                       |                       |                      | Pkg. (pcs.)   |
| 63   | 3     | 101170<br>(ISGN 6331) | 101173<br>(ISGN 6332) |                       |                      | 2 / 2 / - / - |
| 63   | 4     | 101171<br>(ISGN 6341) |                       | 101177<br>(ISG 6343)  | 101180<br>(ISG 6345) | 2 / - / 2 / 2 |
| 63   | 5     | 101172<br>(ISGN 6351) |                       | 101178<br>(ISGN 6353) |                      | 2 / - / 2 / - |

Products may differ from the illustration.

## Cable sockets IP67 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |           |
|-----|-------|------------------------|-----------------|-----|-----------|
|     |       |                        | A               | B   | R         |
| 16  | 3     | 100996                 | 161             | 78  | 9 - 16    |
|     |       | 100990, 101008         | 132             | 78  | 6 - 15    |
| 16  | 4     | 101003                 | 167             | 86  | 9 - 16    |
|     |       | 100991, 100997, 101009 | 139             | 84  | 6 - 15    |
| 16  | 5     | 101004                 | 168             | 92  | 9 - 16    |
|     |       | 100992, 101010         | 147             | 92  | 8 - 16    |
| 32  | 3     | 100999                 | 189             | 101 | 12 - 18   |
|     |       | 100993, 101011         | 163             | 96  | 11,5 - 20 |
| 32  | 4     | 101006                 | 189             | 101 | 12 - 18   |
|     |       | 100994, 101000, 101012 | 163             | 96  | 11,5 - 20 |
| 32  | 5     | 101007                 | 189             | 108 | 12 - 18   |
|     |       | 100995, 101013         | 171             | 102 | 11,5 - 22 |

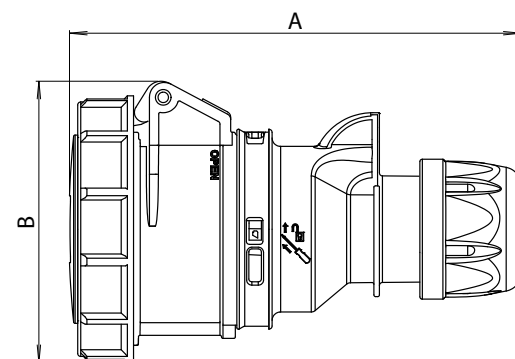
R - sealing range



## Cable sockets - Screwless IP67 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |           |
|-----|-------|------------------------|-----------------|-----|-----------|
|     |       |                        | A               | B   | R         |
| 16  | 3     | 101080, 101086         | 132             | 78  | 6 - 15    |
| 16  | 4     | 101081, 101087, 101093 | 139             | 84  | 6 - 15    |
| 16  | 5     | 101082, 101088, 101094 | 147             | 92  | 8 - 16    |
| 32  | 3     | 101083, 101089         | 163             | 96  | 11,5 - 20 |
| 32  | 4     | 101084, 101090, 101096 | 163             | 96  | 11,5 - 20 |
| 32  | 5     | 101085, 101091, 101097 | 171             | 102 | 11,5 - 22 |

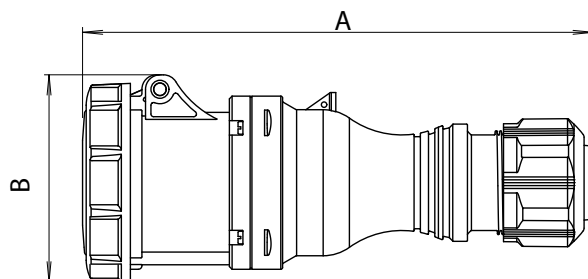
R - sealing range



## Cable sockets IP67 - 63 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |           |
|-----|-------|----------------|-----------------|-----|-----------|
|     |       |                | A               | B   | R         |
| 63  | 3     | 101170, 101173 | 269             | 114 | 14,5 - 36 |
| 63  | 4     | 101177, 101180 | 254             | 113 | 16 - 26   |
|     |       | 101171         | 269             | 114 | 14,5 - 36 |
| 63  | 5     | 101178         | 283             | 110 | 16 - 32,5 |
|     |       | 101172         | 269             | 114 | 14,5 - 36 |

R - sealing range



## Cable sockets IP67 - 125 A

- Screw contacts.
- Self-locking click system of cover.
- Lamellar gland for fixing and sealing the cable without the use of a tool.
- Miniature dimensions with ergonomic grip and lid opening.
- Flexible conductors 16 - 50 mm<sup>2</sup>.



101270

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|                    |       | 110 V~<br>50/60 Hz       | 230 V~<br>50/60 Hz       | 400 V~<br>50/60 Hz       | 500 V~<br>50/60 Hz       |               |
|--------------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|---------------|
|                    |       | 4h                       | 3p=6h   4p+5p=9h         | 3p=9h   4p+5p=6h         | 7h                       |               |
| Amp.               | Poles | Ord. No. (Type)          |                          |                          |                          | Pkg. (pcs.)   |
| 125                | 3     | 101250<br>(ISGN 12531)   | 101259<br>(ISGN 12532)   |                          |                          | 2 / 2 / - / - |
| 125                | 4     | 101251<br>(ISGN 12541)   |                          | 101269<br>(ISGN 12543)   | 101278<br>(ISGN 12545)   | 2 / - / 2 / 2 |
| 125                | 5     | 101252<br>(ISGN 12551)   |                          | 101270<br>(ISGN 12553)   | 101279<br>(ISGN 12555)   | 2 / - / 2 / 2 |
| With pilot contact |       |                          |                          |                          |                          |               |
| 125                | 3     | 101253<br>(ISGN 12531-p) | 101262<br>(ISGN 12532-p) |                          |                          | 2 / 2 / - / - |
| 125                | 4     | 101254<br>(ISGN 12541-p) |                          | 101272<br>(ISGN 12543-p) | 101281<br>(ISGN 12545-p) | 2 / - / 2 / 2 |
| 125                | 5     | 101255<br>(ISGN 12551-p) |                          | 101273<br>(ISGN 12553-p) | 101282<br>(ISGN 12555-p) | 2 / - / 2 / 2 |

With pilot contact

|     |   |                          |                          |  |  |  |  |  |  |                          |                          |  |  |  |  |  |  |               |
|-----|---|--------------------------|--------------------------|--|--|--|--|--|--|--------------------------|--------------------------|--|--|--|--|--|--|---------------|
| 125 | 3 | 101253<br>(ISGN 12531-p) | 101262<br>(ISGN 12532-p) |  |  |  |  |  |  |                          |                          |  |  |  |  |  |  | 2 / 2 / - / - |
| 125 | 4 | 101254<br>(ISGN 12541-p) |                          |  |  |  |  |  |  | 101272<br>(ISGN 12543-p) | 101281<br>(ISGN 12545-p) |  |  |  |  |  |  | 2 / - / 2 / 2 |
| 125 | 5 | 101255<br>(ISGN 12551-p) |                          |  |  |  |  |  |  | 101273<br>(ISGN 12553-p) | 101282<br>(ISGN 12555-p) |  |  |  |  |  |  | 2 / - / 2 / 2 |

## Wall sockets IP44 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



101363

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz   |             |
|------|-------|----------------------|----------------------|----------------------|----------------------|-------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                   |             |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                      | Pkg. (pcs.) |
| 16   | 3     | 101350<br>(IZN 1631) | 101356<br>(IZN 1632) | 101362<br>(IZN 1633) | 101368<br>(IZN 1635) | 10/10/10/10 |
| 16   | 4     | 101351<br>(IZN 1641) | 101357<br>(IZN 1642) | 101363<br>(IZN 1643) | 101369<br>(IZN 1645) | 10/10/10/10 |
| 16   | 5     | 101352<br>(IZN 1651) | 101358<br>(IZN 1652) | 101364<br>(IZN 1653) | 101370<br>(IZN 1655) | 10/10/10/10 |
| 32   | 3     | 101353<br>(IZN 3231) | 101359<br>(IZN 3232) | 101365<br>(IZN 3233) | 101371<br>(IZN 3235) | 10/10/10/10 |
| 32   | 4     | 101354<br>(IZN 3241) | 101360<br>(IZN 3242) | 101366<br>(IZN 3243) | 101372<br>(IZN 3245) | 10/10/10/10 |
| 32   | 5     | 101355<br>(IZN 3251) | 101361<br>(IZN 3252) | 101367<br>(IZN 3253) | 101373<br>(IZN 3255) | 10/10/10/10 |

## Wall sockets IP44 - 16 A/32 A Loop

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Loop - raised socket base for looping. (standard)
- Loop ready - added terminal block not connected. (on request)



101454

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz     | 230 V~<br>50/60 Hz     | 400 V~<br>50/60 Hz     | 500 V~<br>50/60 Hz |               |
|------|-------|------------------------|------------------------|------------------------|--------------------|---------------|
|      |       | 4h                     | 3p=6h   4p+5p=9h       | 3p=9h   4p+5p=6h       | 7h                 |               |
| Amp. | Poles | Ord. No. (Type)        |                        |                        |                    | Pkg. (pcs.)   |
| 16   | 3     | 101440<br>(IZN 1631 L) | 101446<br>(IZN 1632 L) |                        |                    | 5 / 5 / - / - |
| 16   | 4     |                        | 101447<br>(IZN 1642 L) | 101453<br>(IZN 1643 L) |                    | - / 5 / 5 / - |
| 16   | 5     |                        | 101448<br>(IZN 1652 L) | 101454<br>(IZN 1653 L) |                    | - / 5 / 5 / - |
| 32   | 3     | 101443<br>(IZN 3231 L) | 101449<br>(IZN 3232 L) |                        |                    | 5 / 5 / - / - |
| 32   | 4     |                        | 101450<br>(IZN 3242 L) | 101456<br>(IZN 3243 L) |                    | - / 5 / 5 / - |
| 32   | 5     |                        | 101451<br>(IZN 3252 L) | 101457<br>(IZN 3253 L) |                    | - / 5 / 5 / - |

Products may differ from the illustration.



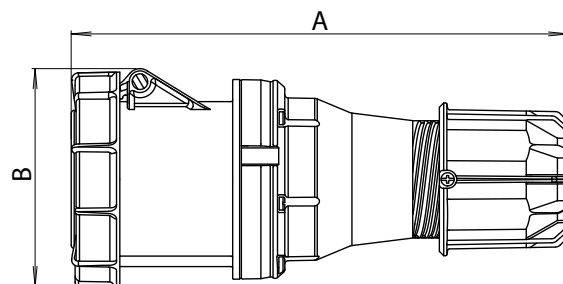
## Cable sockets IP67 - 125 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |           |
|-----|-------|------------------------|-----------------|-----|-----------|
|     |       |                        | A               | B   | R         |
| 125 | 3     | 101250, 101259         | 287             | 124 | 22,5 - 50 |
| 125 | 4     | 101251, 101269, 101278 | 287             | 124 | 22,5 - 50 |
| 125 | 5     | 101252, 101270, 101279 | 287             | 124 | 22,5 - 50 |

With pilot contact

|     |   |                        |     |     |           |
|-----|---|------------------------|-----|-----|-----------|
| 125 | 3 | 101253, 101262         | 287 | 124 | 22,5 - 50 |
| 125 | 4 | 101254, 101272, 101281 | 287 | 124 | 22,5 - 50 |
| 125 | 5 | 101255, 101273, 101282 | 287 | 124 | 22,5 - 50 |

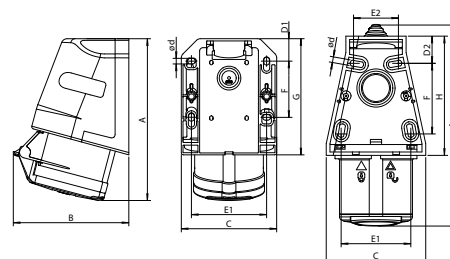
R - sealing range



## Wall sockets IP44 - 16 A/32 A

|     |       |                        | Dimensions<br>(mm) |     |    |     |    |    |    |    |    |     |     |        |
|-----|-------|------------------------|--------------------|-----|----|-----|----|----|----|----|----|-----|-----|--------|
| Amp | Poles | Ord. No.               | A                  | B   | C  | ø d | D1 | D2 | E1 | E2 | F  | G   | H   | R      |
| 16  | 3     | 101356                 | 157                | 90  | 78 | 5   | -  | 18 | 53 | 30 | 58 | -   | 96  | 8 - 22 |
|     |       | 101350, 101362, 101368 | 142                | 97  | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 16  | 4     | 101363                 | 157                | 99  | 78 | 5   | -  | 18 | 53 | 30 | 58 | -   | 96  | 8 - 22 |
|     |       | 101351, 101357, 101369 | 145                | 98  | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 16  | 5     | 101364                 | 158                | 104 | 78 | 5   | -  | 18 | 53 | 30 | 58 | -   | 96  | 8 - 22 |
|     |       | 101352, 101358, 101370 | 144                | 104 | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 32  | 3     | 101359                 | 179                | 118 | 88 | 5   | -  | 24 | 62 | 35 | 60 | -   | 108 | 8 - 22 |
|     |       | 101353, 101365, 101371 | 155                | 106 | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 32  | 4     | 101366                 | 179                | 118 | 88 | 5   | -  | 24 | 62 | 35 | 60 | -   | 108 | 8 - 22 |
|     |       | 101354, 101360, 101372 | 155                | 106 | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 32  | 5     | 101367                 | 181                | 122 | 89 | 5   | -  | 24 | 62 | 35 | 60 | -   | 108 | 8 - 22 |
|     |       | 101355, 101361, 101373 | 157                | 111 | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |

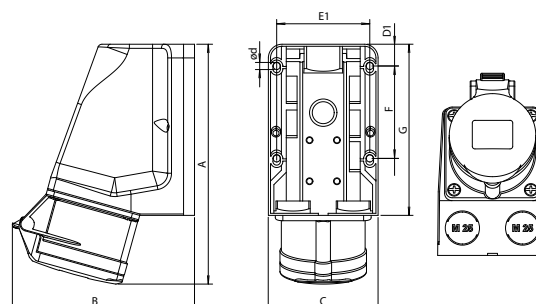
R - sealing range



## Wall sockets IP44 - 16 A/32 A Loop

|     |       |                | Dimensions (mm) |     |    |     |    |    |      |     |                 |
|-----|-------|----------------|-----------------|-----|----|-----|----|----|------|-----|-----------------|
| Amp | Poles | Ord. No.       | A               | B   | C  | ø d | D1 | E1 | F    | G   | R               |
| 16  | 3     | 101440, 101446 | 175             | 127 | 80 | 5,5 | 16 | 68 | 67,5 | 125 | 3x M 25<br>ø 20 |
| 16  | 4     | 101447, 101453 | 176             | 130 | 80 | 5,5 | 16 | 68 | 67,5 | 125 | 3x M 25<br>ø 20 |
| 16  | 5     | 101448, 101454 | 176             | 133 | 80 | 5,5 | 16 | 68 | 67,5 | 125 | 3x M 25<br>ø 20 |
| 32  | 3     | 101443, 101449 | 188             | 136 | 80 | 5,5 | 16 | 68 | 67,5 | 125 | 3x M 25<br>ø 20 |
| 32  | 4     | 101450, 101456 | 188             | 136 | 80 | 5,5 | 16 | 68 | 67,5 | 125 | 3x M 25<br>ø 20 |
| 32  | 5     | 101451, 101457 | 188             | 141 | 80 | 5,5 | 16 | 68 | 67,5 | 125 | 3x M 25<br>ø 20 |

R - sealing range



## Wall sockets IP44 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.



101477

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)     |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|-----------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |                 |
| 63   | 3     |                          | 101473<br>(IZN 6332)                   |                                        |                          | - / 2 / - / -   |
| 63   | 4     |                          |                                        | 101477<br>(IZ 6343)                    | 101480<br>(IZ 6345)      | - / - / 2 / 2 / |
| 63   | 5     |                          |                                        | 101478<br>(IZN 6353)                   |                          | - / - / 2 / -   |

## Wall sockets - Screwless IP44 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



101544

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)      |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|------------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |                  |
| 16   | 3     | 101530<br>(IZB 1631)     | 101536<br>(IZB 1632)                   |                                        |                          | 10 / 10 / - / -  |
| 16   | 4     | 101531<br>(IZB 1641)     | 101537<br>(IZB 1642)                   | 101543<br>(IZB 1643)                   |                          | 10 / 10 / 10 / - |
| 16   | 5     | 101532<br>(IZB 1651)     | 101538<br>(IZB 1652)                   | 101544<br>(IZB 1653)                   |                          | 10 / 10 / 10 / - |
| 32   | 3     | 101533<br>(IZB 3231)     | 101539<br>(IZB 3232)                   |                                        |                          | 10 / 10 / - / -  |
| 32   | 4     | 101534<br>(IZB 3241)     | 101540<br>(IZB 3242)                   | 101546<br>(IZB 3243)                   |                          | 10 / 10 / 10 / - |
| 32   | 5     | 101535<br>(IZB 3251)     | 101541<br>(IZB 3252)                   | 101547<br>(IZB 3253)                   |                          | 10 / 10 / 10 / - |

## Wall sockets IP67 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



101634

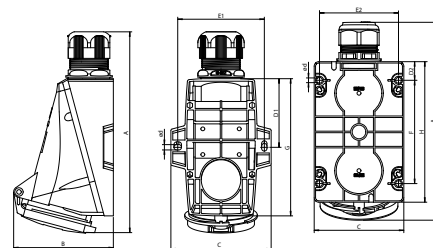
Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16   | 3     | 101620<br>(IZG 1631)     | 101626<br>(IZG 1632)                   | 101632<br>(IZG 1633)                   | 101638<br>(IZG 1635)     | 5 / 5 / 5 / 5 |
| 16   | 4     | 101621<br>(IZG 1641)     | 101627<br>(IZG 1642)                   | 101633<br>(IZG 1643)                   | 101639<br>(IZG 1645)     | 5 / 5 / 5 / 5 |
| 16   | 5     | 101622<br>(IZG 1651)     |                                        | 101634<br>(IZG 1653)                   | 101640<br>(IZG 1655)     | 5 / - / 5 / 5 |
| 32   | 3     | 101623<br>(IZG 3231)     | 101629<br>(IZG 3232)                   | 101635<br>(IZG 3233)                   | 101641<br>(IZG 3235)     | 5 / 5 / 5 / 5 |
| 32   | 4     | 101624<br>(IZG 3241)     | 101630<br>(IZG 3242)                   | 101636<br>(IZG 3243)                   | 101642<br>(IZG 3245)     | 5 / 5 / 5 / 5 |
| 32   | 5     | 101625<br>(IZG 3251)     |                                        | 101637<br>(IZG 3253)                   | 101643<br>(IZG 3255)     | 5 / - / 5 / 5 |

## Wall sockets IP44 - 63 A

|     |       |                | Dimensions (mm) |     |     |     |    |      |     |     |     |     |     |         |
|-----|-------|----------------|-----------------|-----|-----|-----|----|------|-----|-----|-----|-----|-----|---------|
| Amp | Poles | Ord. No.       | A               | B   | C   | ø d | D1 | D2   | E1  | E2  | F   | G   | H   | R       |
| 63  | 3     | 101473         | 261             | 190 | 118 | 6,2 | -  | 24,5 | -   | 104 | 136 | -   | 185 | M 40    |
| 63  | 4     | 101477, 101480 | 264             | 132 | 132 | 7   | 90 | -    | 114 | -   | -   | 181 | -   | 23 - 36 |
| 63  | 5     | 101478         | 261             | 190 | 118 | 6,2 | -  | 24,5 | -   | 104 | 136 | -   | 185 | M 40    |

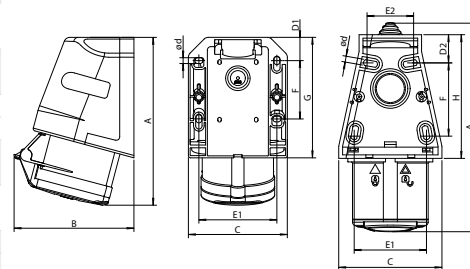
R - sealing range



## Wall sockets - Screwless IP44 - 16 A/32 A

|     |       |                        | Dimensions<br>(mm) |     |    |     |    |    |    |    |    |     |     |        |
|-----|-------|------------------------|--------------------|-----|----|-----|----|----|----|----|----|-----|-----|--------|
| Amp | Poles | Ord. No.               | A                  | B   | C  | ø d | D1 | D2 | E1 | E2 | F  | G   | H   | R      |
| 16  | 3     | 101530, 101536         | 142                | 97  | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 16  | 4     | 101531, 101537, 101543 | 145                | 98  | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 16  | 5     | 101544                 | 158                | 104 | 78 | 5   | -  | 18 | 53 | 30 | 58 | -   | 96  | 8 - 22 |
|     |       | 101532, 101538         | 144                | 104 | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 32  | 3     | 10533, 101539          | 155                | 106 | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 32  | 4     | 101534, 101540, 101546 | 155                | 106 | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |
| 32  | 5     | 101547                 | 181                | 122 | 89 | 5   | -  | 18 | 62 | 35 | 60 | -   | 108 | 8 - 22 |
|     |       | 101535, 101541         | 157                | 111 | 85 | 5   | 19 | -  | 67 | -  | 50 | 104 | -   | M 25   |

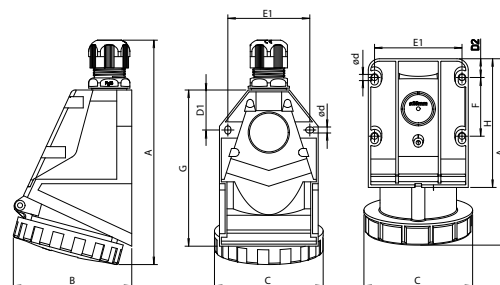
R - sealing range



## Wall sockets IP67 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |     |     |    |    |    |    |     |     |        |
|-----|-------|------------------------|-----------------|-----|-----|-----|----|----|----|----|-----|-----|--------|
|     |       |                        | A               | B   | C   | ø d | D1 | D2 | E1 | F  | G   | H   | R      |
| 16  | 3     | 101626                 | 178             | 90  | 79  | 4,8 | 32 | -  | 66 | -  | 125 | -   | 8 - 16 |
|     |       | 101620, 101632, 101638 | 146             | 96  | 80  | 5   | -  | 15 | 70 | 47 | -   | 103 | M 25   |
| 16  | 4     | 101633                 | 180             | 92  | 79  | 4,8 | 32 | -  | 66 | -  | 125 | -   | 8 - 16 |
|     |       | 101621, 101627, 10139  | 148             | 99  | 80  | 5   | -  | 15 | 70 | 47 | -   | 103 | M 25   |
| 16  | 5     | 101634                 | 180             | 96  | 87  | 4,8 | 32 | -  | 66 | -  | 125 | -   | 8 - 16 |
|     |       | 101622, 101640         | 148             | 102 | 80  | 5   | -  | 15 | 70 | 47 | -   | 103 | M 25   |
| 32  | 3     | 101629                 | 201             | 111 | 93  | 5,2 | 35 | -  | 71 | -  | 145 | -   | 11-18  |
|     |       | 101623, 101635, 101641 | 161             | 108 | 80  | 5   | -  | 15 | 70 | 47 | -   | 103 | M 25   |
| 32  | 4     | 101636                 | 201             | 111 | 93  | 5,2 | 35 | -  | 71 | -  | 145 | -   | 11-18  |
|     |       | 101624, 101630, 101642 | 161             | 108 | 80  | 5   | -  | 15 | 70 | 47 | -   | 103 | M 25   |
| 32  | 5     | 101637                 | 203             | 114 | 100 | 5,2 | 35 | -  | 71 | -  | 145 | -   | 11-18  |
|     |       | 101625, 101643         | 163             | 112 | 80  | 5   | -  | 15 | 70 | 47 | -   | 103 | M 25   |

R - sealing range



## Wall sockets IP67 - 16 A/32 A Loop

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Loop - raised socket base for looping. (standard)



101724

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)     |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|-----------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |                 |
| 16   | 3     | 101710<br>(IZG 1631 L)   | 101716<br>(IZG 1632 L)                 |                                        |                          | 10 / 10 / - / - |
| 16   | 4     |                          | 101717<br>(IZG 1642 L)                 | 101723<br>(IZG 1643 L)                 |                          | - / 10 / 10 / - |
| 16   | 5     |                          |                                        | 101724<br>(IZG 1653 L)                 |                          | - / - / 10 / -  |
| 32   | 3     | 101713<br>(IZG 3231 L)   | 101719<br>(IZG 3232 L)                 |                                        |                          | 10 / 10 / - / - |
| 32   | 4     |                          | 101720<br>(IZG 3242 L)                 | 101726<br>(IZG 3243 L)                 |                          | - / 10 / 10 / - |
| 32   | 5     |                          |                                        | 101727<br>(IZG 3253 L)                 |                          | - / - / 10 / -  |

## Wall sockets - Screwless IP67 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



101814

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16   | 3     | 101800<br>(IZGB 1631)    | 101806<br>(IZGB 1632)                  |                                        |                          | 5 / 5 / - / - |
| 16   | 4     | 101801<br>(IZGB 1641)    | 101807<br>(IZGB 1642)                  | 101813<br>(IZGB 1643)                  |                          | 5 / 5 / 5 / - |
| 16   | 5     | 101802<br>(IZGB 1651)    | 101808<br>(IZGB 1652)                  | 101814<br>(IZGB 1653)                  |                          | 5 / 5 / 5 / - |
| 32   | 3     | 101803<br>(IZGB 3231)    | 101809<br>(IZGB 3232)                  |                                        |                          | 5 / 5 / - / - |
| 32   | 4     | 101804<br>(IZGB 3241)    | 101810<br>(IZGB 3242)                  | 101816<br>(IZGB 3243)                  |                          | 5 / 5 / 5 / - |
| 32   | 5     | 101805<br>(IZGB 3251)    | 101811<br>(IZGB 3252)                  | 101817<br>(IZGB 3253)                  |                          | 5 / 5 / 5 / - |

## Wall sockets IP67 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.



101898

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 63   | 4     |                          |                                        | 101897<br>(IZG 6343)                   | 101900<br>(IZG 6345)     | - / - / 2 / 2 |
| 63   | 5     |                          |                                        | 101898<br>(IZGN 6353)                  |                          | - / - / 2 / - |

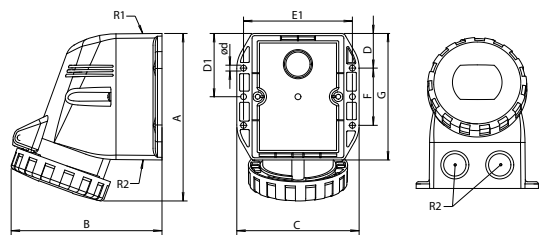
Products may differ from the illustration.



## Wall sockets IP67 - 16 A/32 A Loop

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |     |     |    |    |     |    |     |                    |
|-----|-------|----------------|-----------------|-----|-----|-----|----|----|-----|----|-----|--------------------|
|     |       |                | A               | B   | C   | Ø d | D  | D1 | E1  | F  | G   | R1/R2              |
| 16  | 3     | 101710, 101716 | 132             | 110 | 94  | 5,2 | -  | 48 | 80  | -  | 96  | 1x M 20<br>1x M 20 |
| 16  | 4     | 101717, 101723 | 146             | 134 | 109 | 5,2 | 31 | -  | 97  | 51 | 113 | 1x M 20<br>2x M 25 |
| 16  | 5     | 101724         | 150             | 134 | 109 | 5,2 | 31 | -  | 97  | 51 | 113 | 1x M 25<br>2x M 25 |
| 32  | 3     | 101713, 101719 | 166             | 151 | 127 | 5,2 | 33 | -  | 113 | 65 | 131 | 1x M 32<br>2x M 32 |
| 32  | 4     | 101720, 101726 | 166             | 151 | 127 | 5,2 | 33 | -  | 113 | 65 | 131 | 1x M 32<br>2x M 32 |
| 32  | 5     | 101727         | 169             | 152 | 131 | 5,2 | 33 | -  | 113 | 65 | 131 | 1x M 32<br>2x M 32 |

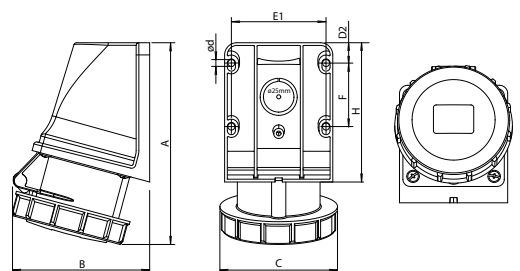
R1/R2 - sealing range



## Wall sockets - Screwless IP67 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |    |     |    |    |    |     |      |  |
|-----|-------|------------------------|-----------------|-----|----|-----|----|----|----|-----|------|--|
|     |       |                        | A               | B   | C  | Ø d | D2 | E1 | F  | H   | R    |  |
| 16  | 3     | 101800, 101806         | 146             | 96  | 80 | 5   | 15 | 70 | 47 | 103 | M 25 |  |
| 16  | 4     | 101801, 101807, 101813 | 148             | 99  | 80 | 5   | 15 | 70 | 47 | 103 | M 25 |  |
| 16  | 5     | 101802, 101808, 101814 | 148             | 102 | 80 | 5   | 15 | 70 | 47 | 103 | M 25 |  |
| 32  | 3     | 101803, 101809         | 161             | 108 | 80 | 5   | 15 | 70 | 47 | 103 | M 25 |  |
| 32  | 4     | 101804, 101810, 101816 | 161             | 108 | 80 | 5   | 15 | 70 | 47 | 103 | M 25 |  |
| 32  | 5     | 101805, 101811, 101817 | 163             | 112 | 80 | 5   | 15 | 70 | 47 | 103 | M 25 |  |

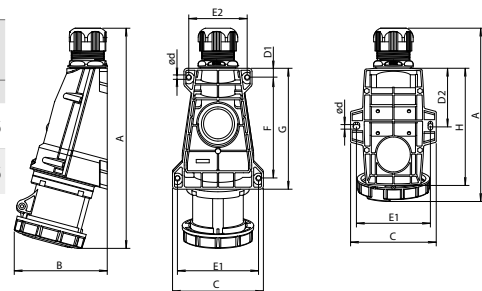
R - sealing range



## Wall sockets IP67 - 63 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |     |     |    |    |     |    |     |     |     |         |
|-----|-------|----------------|-----------------|-----|-----|-----|----|----|-----|----|-----|-----|-----|---------|
|     |       |                | A               | B   | C   | Ø d | D1 | D2 | E1  | E2 | F   | G   | H   | R       |
| 63  | 4     | 101897, 101900 | 267             | 131 | 132 | 7   | -  | 90 | 114 | -  | -   | -   | 181 | 23 - 36 |
| 63  | 5     | 101898         | 339             | 145 | 140 | 6,5 | 14 | -  | 125 | 90 | 155 | 187 | -   | 23 - 36 |

R - sealing range



## Wall sockets IP67 - 63 A Loop

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.
- Loop - raised socket base for looping. (standard)



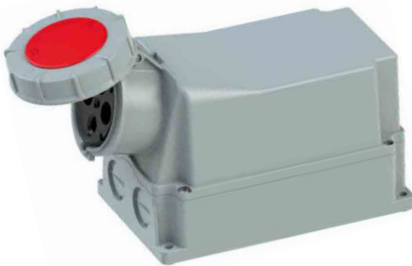
101978

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz      | 230 V~<br>50/60 Hz      | 400 V~<br>50/60 Hz      | 500 V~<br>50/60 Hz |             |
|------|-------|-------------------------|-------------------------|-------------------------|--------------------|-------------|
|      |       | 4h                      | 3p=6h   4p+5p=9h        | 3p=9h   4p+5p=6h        | 7h                 |             |
| Amp. | Poles | Ord. No. (Type)         |                         |                         |                    | Pkg. (pcs.) |
| 63   | 3     | 101970<br>(IZGN 6331 L) | 101973<br>(IZGN 6332 L) |                         |                    | 1 / 1 / -/- |
| 63   | 4     | 101971<br>(IZGN 6341)   |                         | 101977<br>(IZGN 6343 L) |                    | 1 / - / 4/- |
| 63   | 5     | 101972<br>(IZGN 6351 L) |                         | 101978<br>(IZGN 6353 L) |                    | 1 / - / 4/- |

## Wall sockets IP67 - 125 A

- Screw contacts.
- Flexible/rigid conductors 16 - 50/16 - 70 mm<sup>2</sup>.



102070

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz     | 230 V~<br>50/60 Hz     | 400 V~<br>50/60 Hz     | 500 V~<br>50/60 Hz     |               |
|------|-------|------------------------|------------------------|------------------------|------------------------|---------------|
|      |       | 4h                     | 3p=6h   4p+5p=9h       | 3p=9h   4p+5p=6h       | 7h                     |               |
| Amp. | Poles | Ord. No. (Type)        |                        |                        |                        | Pkg. (pcs.)   |
| 125  | 3     | 102050<br>(IZGN 12531) | 102059<br>(IZGN 12532) |                        |                        | 1 / 1 / - / - |
| 125  | 4     | 102051<br>(IZGN 12541) |                        | 102069<br>(IZGN 12543) | 102078<br>(IZGN 12545) | 1 / - / 1 / 1 |
| 125  | 5     | 102052<br>(IZGN 12551) |                        | 102070<br>(IZGN 12553) | 102079<br>(IZGN 12555) | 1 / - / 1 / 1 |

With pilot contact

|     |   |                          |                          |                          |                          |               |
|-----|---|--------------------------|--------------------------|--------------------------|--------------------------|---------------|
| 125 | 3 | 102053<br>(IZGN 12531-p) | 102062<br>(IZGN 12532-p) |                          |                          | 1 / 1 / - / - |
| 125 | 4 | 102054<br>(IZGN 12541-p) |                          | 102072<br>(IZGN 12543-p) | 102081<br>(IZGN 12545-p) | 1 / - / 1 / 1 |
| 125 | 5 | 102055<br>(IZGN 12551-p) |                          | 102073<br>(IZGN 12553-p) | 102082<br>(IZGN 12555-p) | 1 / - / 1 / 1 |

## Wall sockets-Combined type E - French standard IP44 - 250 V/400 V

- Screw contacts.
- 32 A sockets contain a 10 A tube fuse.
- Ord. No. 102150 has a 3P/230 V/16 A indust. socket, 102153 has a 3P/230 V/32 A indust. socket.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



102158

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

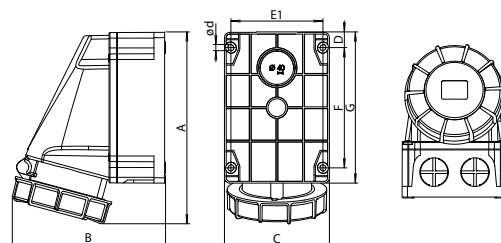
|      |       | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz |               |
|------|-------|--------------------|-----------------------|-----------------------|--------------------|---------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                 |               |
| Amp. | Poles | Ord. No. (Type)    |                       |                       |                    | Pkg. (pcs.)   |
| 16   | 3     |                    | 102150<br>(IZVZ 1632) |                       |                    | - / 5/ - / -  |
| 16   | 4     |                    |                       | 102157<br>(IZVZ 1643) |                    | - / - / 5 / - |
| 16   | 5     |                    |                       | 102158<br>(IZVZ 1653) |                    | - / - / 5 / - |
| 32   | 3     |                    | 102153<br>(IZVZ 3232) |                       |                    | - / 5/ - / -  |
| 32   | 4     |                    |                       | 102160<br>(IZVZ 3243) |                    | - / - / 5 / - |
| 32   | 5     |                    |                       | 102161<br>(IZVZ 3253) |                    | - / - / 5 / - |

Products may differ from the illustration.

## Wall sockets IP67 - 63 A Loop

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |     |     |    |     |     |     |                  |
|-----|-------|----------------|-----------------|-----|-----|-----|----|-----|-----|-----|------------------|
|     |       |                | A               | B   | C   | Ø d | D  | E1  | F   | G   | R                |
| 63  | 3     | 101970, 101973 | 213             | 173 | 118 | 6   | 18 | 104 | 136 | 170 | M 40<br>2 x M 32 |
| 63  | 4     | 101971, 101977 | 213             | 173 | 118 | 6   | 18 | 104 | 136 | 170 | M 40<br>2 x M 32 |
| 63  | 5     | 101972, 101978 | 213             | 173 | 118 | 6   | 18 | 104 | 136 | 170 | M 40<br>2 x M 32 |

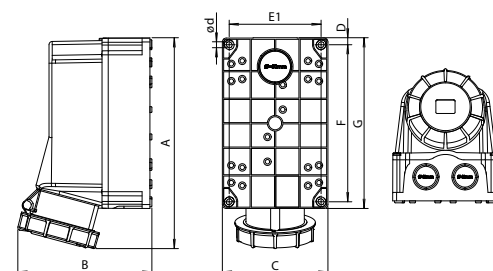
R - sealing range



## Wall sockets IP67 - 125 A

| Amp                | Poles | Ord. No.               | Dimensions (mm) |     |     |     |    |     |     |     |                  |
|--------------------|-------|------------------------|-----------------|-----|-----|-----|----|-----|-----|-----|------------------|
|                    |       |                        | A               | B   | C   | Ø d | D  | E1  | F   | G   | R                |
| 125                | 3     | 102050, 102059         | 322             | 205 | 162 | 8   | 11 | 140 | 240 | 262 | M 63<br>2 x Ø 40 |
| 125                | 4     | 102051, 102069, 102078 | 322             | 205 | 162 | 8   | 11 | 140 | 240 | 262 | M 63<br>2 x Ø 40 |
| 125                | 5     | 102052, 102070, 102079 | 322             | 205 | 162 | 8   | 11 | 140 | 240 | 262 | M 63<br>2 x Ø 40 |
| With pilot contact |       |                        |                 |     |     |     |    |     |     |     |                  |
| 125                | 3     | 102053, 102062         | 322             | 205 | 162 | 8   | 11 | 140 | 240 | 262 | M 63<br>2 x Ø 40 |
| 125                | 4     | 102054, 102072, 102081 | 322             | 205 | 162 | 8   | 11 | 140 | 240 | 262 | M 63<br>2 x Ø 40 |
| 125                | 5     | 102055, 102073, 102082 | 322             | 205 | 162 | 8   | 11 | 140 | 240 | 262 | M 63<br>2 x Ø 40 |

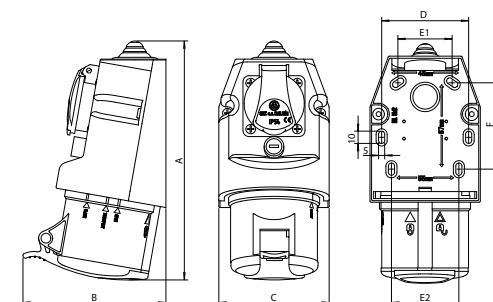
R - sealing range



## Wall sockets-Combined type E - French standard IP44 - 250 V/400 V

| Amp | Poles | Ord. No. | Dimensions (mm) |     |    |    |    |    |    |        |
|-----|-------|----------|-----------------|-----|----|----|----|----|----|--------|
|     |       |          | A               | B   | C  | D  | F  | E1 | E2 | R      |
| 16  | 3     | 102150   | 182             | 113 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 16  | 4     | 102157   | 182             | 113 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 16  | 5     | 102158   | 182             | 113 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 32  | 3     | 102153   | 193             | 118 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 32  | 4     | 102160   | 193             | 118 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 32  | 5     | 102161   | 193             | 118 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |

R - sealing range



## Wall sockets-Combined type F - German standard IP 44 - 250 V/400 V

- Screw contacts.
- 32 A sockets contain a 10 A tube fuse.
- Ord. No. 102200 has a 3P/230 V/16 A indust. socket, 102203 has a 3P/230 V/32 A indust. socket.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



102208

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)         | Pkg. (pcs.)   |
|------|-------|-------------------------|---------------|
|      |       |                         |               |
| 16   | 3     | 102200<br>(IZVZ-S 1632) | - / 5 / - / - |
| 16   | 4     | 102207<br>(IZVZ-S 1643) | - / - / 5 / - |
| 16   | 5     | 102208<br>(IZVZ-S 1653) | - / - / 5 / - |
| 32   | 3     | 102203<br>(IZVZ-S 3232) | - / 5 / - / - |
| 32   | 4     | 102210<br>(IZVZ-S 3243) | - / - / 5 / - |
| 32   | 5     | 102211<br>(IZVZ-S 3253) | - / - / 5 / - |

## Wall sockets with box under plaster - IP44

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Ord. No. 102257 has a 3P/250 V/16 A house socket, 102258 has a 3P/250 V/16 A house socket - F - German standard.
- Ord. No. 102262 has a 3P/230 V/32 A indust. socket.



102268

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles        | Ord. No. (Type)                 | Pkg. (pcs.)   |
|------|--------------|---------------------------------|---------------|
|      |              |                                 |               |
| 16   | 3 house      | 102257, 102258<br>(IZV 16, 16S) | - / 2 / - / - |
| 16   | 4            | 102267<br>(IZV 1643)            | - / - / 2 / - |
| 16   | 5            | 102268<br>(IZV 1653)            | - / - / 2 / - |
| 32   | 3 industrial | 102262<br>(IZV 3232)            | - / 2 / - / - |
| 32   | 4            | 102270<br>(IZV 3243)            | - / - / 2 / - |
| 32   | 5            | 102271<br>(IZV 3253)            | - / - / 2 / - |

## Wall sockets with box - IP44

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Ord. No. 102347 has a 3P/250 V/16 A house socket, 102348 has a 3P/250 V/16 A house socket - F - German standard.
- Ord. No. 102352 has a 3P/230 V/32 A indust. socket.



102347

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles        | Ord. No. (Type)                  | Pkg. (pcs.)   |
|------|--------------|----------------------------------|---------------|
|      |              |                                  |               |
| 16   | 3 house      | 102347, 102348<br>(IZVN 16, 16S) | - / 2 / - / - |
| 16   | 4            | 102357<br>(IZVN 1643)            | - / - / 2 / - |
| 16   | 5            | 102358<br>(IZVN 1653)            | - / - / 2 / - |
| 32   | 3 industrial | 102352<br>(IZVN 3232)            | - / 2 / - / - |
| 32   | 4            | 102360<br>(IZVN 3243)            | - / - / 2 / - |
| 32   | 5            | 102361<br>(IZVN 3253)            | - / - / 2 / - |

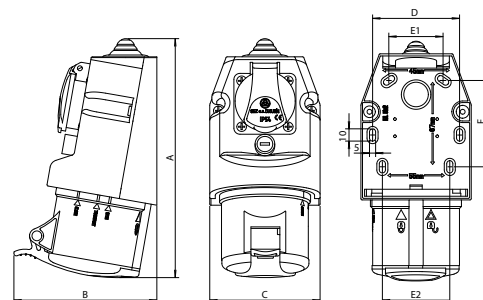
Products may differ from the illustration.



## Wall sockets-Combined type F - German standard IP 44 - 250 V/400 V

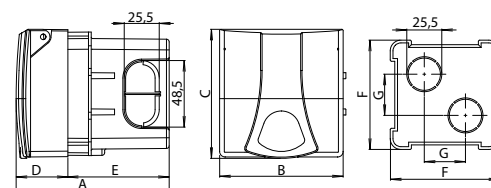
| Amp | Poles | Ord. No. | Dimensions (mm) |     |    |    |    |    |    |        |
|-----|-------|----------|-----------------|-----|----|----|----|----|----|--------|
|     |       |          | A               | B   | C  | D  | F  | E1 | E2 | R      |
| 16  | 3     | 102200   | 182             | 113 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 16  | 4     | 102207   | 182             | 113 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 16  | 5     | 102208   | 182             | 113 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 32  | 3     | 102203   | 193             | 118 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 32  | 4     | 102210   | 193             | 118 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |
| 32  | 5     | 102211   | 193             | 118 | 90 | 71 | 67 | 45 | 55 | 8 - 22 |

R - sealing range



## Wall sockets with box under plaster - IP44

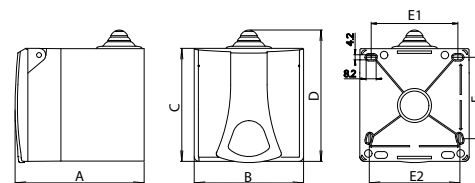
| Amp | Poles        | Ord. No.       | Dimensions (mm) |    |    |    |    |    |    |
|-----|--------------|----------------|-----------------|----|----|----|----|----|----|
|     |              |                | A               | B  | C  | D  | E  | F  | G  |
| 16  | 3 house      | 102257, 102258 | 112             | 90 | 93 | 38 | 74 | 80 | 30 |
| 16  | 4            | 102267         | 112             | 90 | 93 | 38 | 74 | 80 | 30 |
| 16  | 5            | 102268         | 112             | 90 | 93 | 38 | 74 | 80 | 30 |
| 32  | 3 industrial | 102262         | 112             | 90 | 93 | 38 | 74 | 80 | 30 |
| 32  | 4            | 102270         | 112             | 90 | 93 | 38 | 74 | 80 | 30 |
| 32  | 5            | 102271         | 112             | 90 | 93 | 38 | 74 | 80 | 30 |



## Wall sockets with box - IP44

| Amp | Poles        | Ord. No.       | Dimensions (mm) |    |    |     |    |    |    |        |
|-----|--------------|----------------|-----------------|----|----|-----|----|----|----|--------|
|     |              |                | A               | B  | C  | D   | E1 | E2 | F  | R      |
| 16  | 3 house      | 102347, 102348 | 106             | 90 | 93 | 108 | 71 | 75 | 67 | 8 - 22 |
| 16  | 4            | 102357         | 106             | 90 | 93 | 108 | 71 | 75 | 67 | 8 - 22 |
| 16  | 5            | 102358         | 106             | 90 | 93 | 108 | 71 | 75 | 67 | 8 - 22 |
| 32  | 3 industrial | 102352         | 106             | 90 | 93 | 108 | 71 | 75 | 67 | 8 - 22 |
| 32  | 4            | 102360         | 106             | 90 | 93 | 108 | 71 | 75 | 67 | 8 - 22 |
| 32  | 5            | 102361         | 106             | 90 | 93 | 108 | 71 | 75 | 67 | 8 - 22 |

R - sealing range



## Wall inlets IP44 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



102444

|                             |                                       |
|-----------------------------|---------------------------------------|
| Complies with standards:    | IEC 60309-1, -2<br>STN EN 60309-1, -2 |
| Material:                   | PA6, ABS                              |
| Surface treatment contacts: | passivated brass                      |
| Operating temperature:      | -25 °C to +55 °C                      |

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz   |                |
|------|-------|----------------------|----------------------|----------------------|----------------------|----------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                   |                |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                      | Pkg. (pcs.)    |
| 16   | 3     | 102430<br>(IPN 1631) | 102436<br>(IPN 1632) |                      | 102448<br>(IPN 1635) | 10/ 2 / - / 10 |
| 16   | 4     | 102431<br>(IPN 1641) |                      | 102443<br>(IPN 1643) | 102449<br>(IPN 1645) | 10/ - / 2 / 10 |
| 16   | 5     | 102432<br>(IPN 1651) |                      | 102444<br>(IPN 1653) | 102450<br>(IPN 1655) | 10/ - / 2 / 10 |
| 32   | 3     | 102433<br>(IPN 3231) | 102439<br>(IPN 3232) |                      | 102451<br>(IPN 3235) | 10/ 2 / - / 10 |
| 32   | 4     | 102434<br>(IPN 3241) |                      | 102446<br>(IPN 3243) | 102452<br>(IPN 3245) | 10/ - / 2 / 10 |
| 32   | 5     | 102435<br>(IPN 3251) |                      | 102447<br>(IPN 3253) | 102453<br>(IPN 3255) | 10/ - / 2 / 10 |

## Wall inlets - Screwless IP44 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



102534

|                             |                                       |
|-----------------------------|---------------------------------------|
| Complies with standards:    | IEC 60309-1, -2<br>STN EN 60309-1, -2 |
| Material:                   | PA6, ABS                              |
| Surface treatment contacts: | passivated brass                      |
| Operating temperature:      | -25 °C to +55 °C                      |

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz |             |
|------|-------|----------------------|----------------------|----------------------|--------------------|-------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                 |             |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                    | Pkg. (pcs.) |
| 16   | 3     | 102520<br>(IPB 1631) | 102526<br>(IPB 1632) |                      |                    | 10/10/ -/-  |
| 16   | 5     | 102522<br>(IPB 1651) | 102528<br>(IPB 1652) | 102534<br>(IPB 1653) |                    | 10/10/ 2/-  |
| 32   | 4     | 102524<br>(IPB 3241) | 102530<br>(IPB 3242) |                      |                    | 10/10/ -/-  |
| 32   | 5     | 102525<br>(IPB 3251) | 102531<br>(IPB 3252) | 102537<br>(IPB 3253) |                    | 10/10/ 2/-  |

## Wall inlets - Phase reverse IP44 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- In position can be changed by turning the screwdriver by 180 degrees to achieve the phase change.



102624

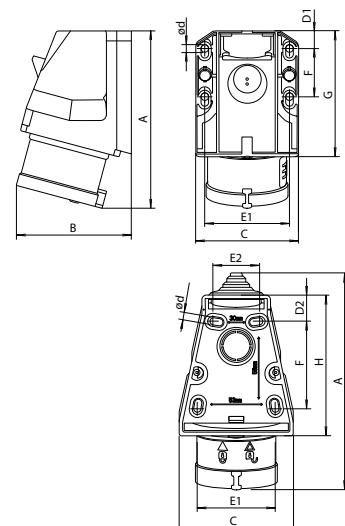
|                             |                                       |
|-----------------------------|---------------------------------------|
| Complies with standards:    | IEC 60309-1, -2<br>STN EN 60309-1, -2 |
| Material:                   | PA6, ABS                              |
| Surface treatment contacts: | passivated brass                      |
| Operating temperature:      | -25 °C to +55 °C                      |

|      |       | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz |              |
|------|-------|--------------------|--------------------|-----------------------|--------------------|--------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h   | 3p=9h   4p+5p=6h      | 7h                 |              |
| Amp. | Poles | Ord. No. (Type)    |                    |                       |                    | Pkg. (pcs.)  |
| 16   | 5     |                    |                    | 102624<br>(IPNO 1653) |                    | - / - / 2 /- |
| 32   | 5     |                    |                    | 102627<br>(IPNO 3253) |                    | - / - / 2 /- |

## Wall inlets IP44 - 16 A/32 A

|     |       |                | Dimensions<br>(mm) |    |      |     |    |    |    |    |    |    |     |        |
|-----|-------|----------------|--------------------|----|------|-----|----|----|----|----|----|----|-----|--------|
| Amp | Poles | Ord. No.       | A                  | B  | C    | ø d | D1 | D2 | E1 | E2 | F  | G  | H   | R      |
| 16  | 3     | 102436         | 147                | 81 | 78   | 5   | -  | 18 | 53 | 30 | 58 | -  | 96  | 8 - 22 |
|     |       | 102430, 102448 | 120                | 76 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |
| 16  | 4     | 102443         | 146                | 81 | 78   | 5   | -  | 18 | 53 | 30 | 58 | -  | 96  | 8 - 22 |
|     |       | 102430, 102448 | 121                | 76 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |
| 16  | 5     | 102444         | 146                | 81 | 78   | 5   | -  | 18 | 53 | 30 | 58 | -  | 96  | 8 - 22 |
|     |       | 102432, 102450 | 122                | 79 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |
| 32  | 3     | 102439         | 168                | 95 | 88   | 5   | -  | 24 | 61 | 35 | 60 | -  | 108 | 8 - 22 |
|     |       | 102433, 102451 | 131                | 92 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |
| 32  | 4     | 102446         | 168                | 95 | 88   | 5   | -  | 24 | 61 | 35 | 60 | -  | 108 | 8 - 22 |
|     |       | 102434, 102452 | 131                | 92 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |
| 32  | 5     | 102447         | 169                | 94 | 88   | 5   | -  | 24 | 62 | 40 | 63 | -  | 108 | 8 - 22 |
|     |       | 102435, 102453 | 132                | 95 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |

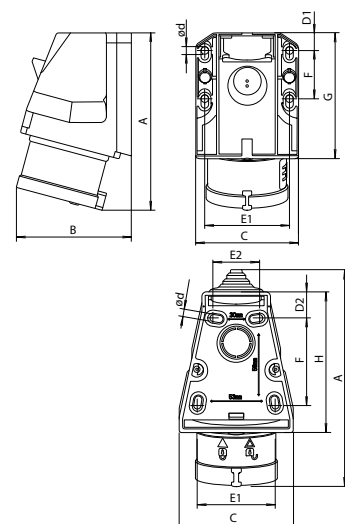
R - sealing range



## Wall inlets - Screwless IP44 - 16 A/32 A

|     |       |                | Dimensions<br>(mm) |    |      |     |    |    |    |    |    |    |     |        |
|-----|-------|----------------|--------------------|----|------|-----|----|----|----|----|----|----|-----|--------|
| Amp | Poles | Ord. No.       | A                  | B  | C    | ø d | D1 | D2 | E1 | E2 | F  | G  | H   | R      |
| 16  | 3     | 102520, 102526 | 120                | 76 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |
| 16  | 5     | 102534         | 146                | 81 | 78   | 5   | -  | 18 | 53 | 30 | 58 | -  | 96  | 8 - 22 |
|     |       | 102522, 102528 | 122                | 79 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |
| 32  | 4     | 102524, 102530 | 131                | 92 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |
| 32  | 5     | 102537         | 169                | 94 | 88   | 5   | -  | 24 | 62 | 40 | 63 | -  | 108 | 8 - 22 |
|     |       | 102525, 102531 | 132                | 95 | 70,5 | 5   | 12 | -  | 58 | -  | 33 | 86 | -   | M 25   |

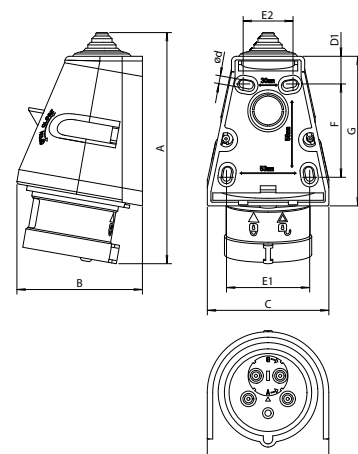
R - sealing range



## Wall inlets - Phase reverse IP44 - 16 A/32 A

|     |       |          | Dimensions<br>(mm) |    |    |     |    |    |    |    |     |       |
|-----|-------|----------|--------------------|----|----|-----|----|----|----|----|-----|-------|
| Amp | Poles | Ord. No. | A                  | B  | C  | ø d | D1 | E1 | E2 | F  | G   | R     |
| 16  | 5     | 102624   | 146                | 81 | 78 | 5   | 18 | 53 | 30 | 58 | 96  | 8 - 2 |
| 32  | 5     | 102627   | 169                | 94 | 88 | 5   | 24 | 62 | 40 | 63 | 108 | 8 - 2 |

R - sealing range



## Wall inlets IP67 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



102714

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16   | 3     | 102700<br>(IPG 1631)     | 102706<br>(IPG 1632)                   |                                        | 102718<br>(IPG 1635)     | 5 / 2 / - / 5 |
| 16   | 4     | 102701<br>(IPG 1641)     |                                        | 102713<br>(IPG 1643)                   | 102719<br>(IPG 1645)     | 5 / - / 2 / 5 |
| 16   | 5     | 102702<br>(IPG 1651)     |                                        | 102714<br>(IPG 1653)                   | 102720<br>(IPG 1655)     | 5 / - / 2 / 5 |
| 32   | 3     | 102703<br>(IPG 3231)     | 102709<br>(IPG 3232)                   |                                        | 102721<br>(IPG 3235)     | 5 / 2 / - / 5 |
| 32   | 4     | 102704<br>(IPG 3241)     |                                        | 102716<br>(IPG 3243)                   | 102722<br>(IPG 3245)     | 5 / - / 2 / 5 |
| 32   | 5     | 102705<br>(IPG 3251)     |                                        | 102717<br>(IPG 3253)                   | 102723<br>(IPG 3255)     | 5 / - / 2 / 5 |

## Wall inlets IP67 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.



102798

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 63   | 5     |                          |                                        | 102798<br>(IPGN 6353)                  |                          | - / - / 2 / - |

## Wall inlets IP67 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.



102823

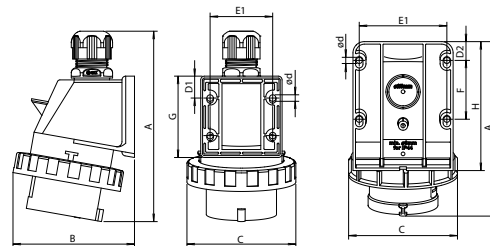
Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 63   | 3     | 102820<br>(IPGN 6331)    | 102823<br>(IPGN 6332)                  |                                        |                          | 1 / 1 / - / - |
| 63   | 4     | 102821<br>(IPGN 6341)    |                                        | 102827<br>(IPGN 6343)                  | 102830<br>(IPGN 6345)    | 1 / - / 1 / 1 |
| 63   | 5     | 102822<br>(IPGN 6351)    |                                        |                                        |                          | 1 / - / - / - |

## Wall inlets IP67 - 16 A/32 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |     |     |      |    |    |    |    |     |         |
|-----|-------|----------------|-----------------|-----|-----|-----|------|----|----|----|----|-----|---------|
|     |       |                | A               | B   | C   | Ø d | D1   | D2 | E1 | F  | G  | H   | R       |
| 16  | 3     | 102706         | 149             | 82  | 70  | 4,8 | 15   | -  | 45 | 30 | 60 | -   | 8-16    |
|     |       | 102700, 102718 | 136             | 99  | 71  | 5   | -    | 15 | 70 | 47 | -  | 103 | M 25    |
| 16  | 4     | 102713         | 152             | 93  | 78  | 5,2 | 17,5 | -  | 50 | 30 | 65 | -   | 8 - 16  |
|     |       | 102701, 102719 | 138             | 94  | 79  | 5   | -    | 15 | 70 | 47 | -  | 103 | M 25    |
| 16  | 5     | 102714         | 152             | 97  | 87  | 5,2 | 17,5 | -  | 50 | 30 | 65 | -   | 8 - 16  |
|     |       | 102702, 102720 | 140             | 100 | 87  | 5   | -    | 15 | 70 | 47 | -  | 103 | M 25    |
| 32  | 3     | 102709         | 174             | 109 | 93  | 5,2 | 20   | -  | 58 | 40 | 80 | -   | 11-18   |
|     |       | 102703, 102721 | 150             | 104 | 93  | 5   | -    | 15 | 70 | 47 | -  | 103 | M 25    |
| 32  | 4     | 102716         | 174             | 109 | 93  | 5,2 | 20   | -  | 58 | 40 | 80 | -   | 11 - 18 |
|     |       | 102704, 102722 | 153             | 104 | 93  | 5   | -    | 15 | 70 | 47 | -  | 103 | M 25    |
| 32  | 5     | 102717         | 174             | 113 | 100 | 5,2 | 20   | -  | 58 | 40 | 80 | -   | 11 - 18 |
|     |       | 102705, 102723 | 152             | 102 | 102 | 5   | -    | 15 | 70 | 47 | -  | 103 | M 25    |

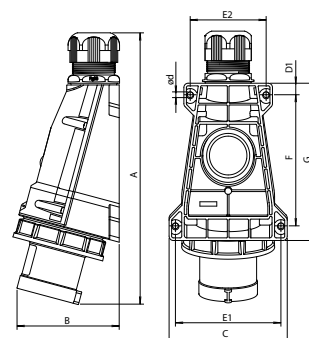
R - sealing range



## Wall inlets IP67 - 63 A

|     |       |          | Dimensions<br>(mm) |     |     |     |      |    |     |    |     |     |   |         |
|-----|-------|----------|--------------------|-----|-----|-----|------|----|-----|----|-----|-----|---|---------|
| Amp | Poles | Ord. No. | A                  | B   | C   | Ø d | D1   | D2 | E1  | E2 | F   | G   | H | R       |
| 63  | 5     | 102798   | 322                | 130 | 140 | 6,5 | 13,5 | -  | 125 | 90 | 155 | 186 | - | 23 - 36 |

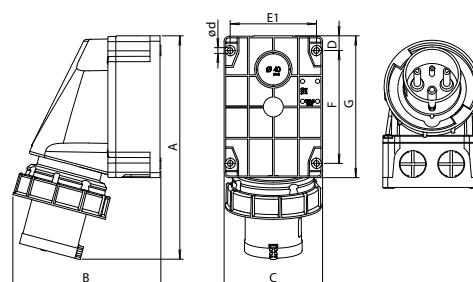
R - sealing range



## Wall inlets IP67 - 63 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |     |     |    |     |     |     |                  |  |  |
|-----|-------|------------------------|-----------------|-----|-----|-----|----|-----|-----|-----|------------------|--|--|
|     |       |                        | A               | B   | C   | Ø d | D  | E1  | F   | G   | R                |  |  |
| 63  | 3     | 102820, 102823         | 271             | 175 | 118 | 6   | 18 | 104 | 136 | 170 | M 40<br>2 x M 32 |  |  |
| 63  | 4     | 102821, 102827, 102830 | 271             | 175 | 118 | 6   | 18 | 104 | 136 | 170 | M 40<br>2 x M 32 |  |  |
| 63  | 5     | 102822                 | 271             | 175 | 118 | 6   | 18 | 104 | 136 | 170 | M 40<br>2 x M 32 |  |  |

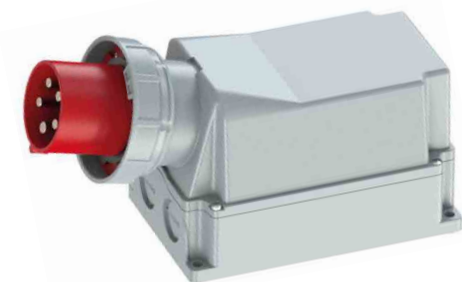
R - sealing range





## Wall inlets IP67 - 125 A

- Screw contacts.
- Wall inlets also have a pilot contact.
- Flexible/rigid conductors 16 - 50/16 - 70 mm<sup>2</sup>.



102878

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz     | 230 V~<br>50/60 Hz     | 400 V~<br>50/60 Hz     | 500 V~<br>50/60 Hz     | Pkg. (pcs.)   |
|------|-------|------------------------|------------------------|------------------------|------------------------|---------------|
|      |       | 4h                     | 3p=6h   4p+5p=9h       | 3p=9h   4p+5p=6h       | 7h                     |               |
| 125  | 3     | 102870<br>(IPGN 12531) | 102873<br>(IPGN 12532) |                        |                        | 1 / 1 / - / - |
| 125  | 4     | 102871<br>(IPGN 12541) |                        | 102877<br>(IPGN 12543) | 102880<br>(IPGN 12545) | 1 / - / 1 / 1 |
| 125  | 5     | 102872<br>(IPGN 12551) |                        | 102878<br>(IPGN 12553) | 102881<br>(IPGN 12555) | 1 / - / 1 / 1 |

## Panel sockets angled IP44/IP54 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Ord. No. 102956, 102959, 102963, 102964, 102966, 102967 have IP54 protection.



102964

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz   | Pkg. (pcs.)       |
|------|-------|----------------------|----------------------|----------------------|----------------------|-------------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                   |                   |
| 16   | 3     | 102950<br>(IEN 1631) | 102956<br>(IE 1632)  |                      | 102968<br>(IEN 1635) | 10 / 10 / - / 10  |
| 16   | 4     | 102951<br>(IEN 1641) | 102957<br>(IEN 1642) | 102963<br>(IEN 1643) | 102969<br>(IEN 1645) | 10 / 10 / 10 / 10 |
| 16   | 5     | 102952<br>(IEN 1651) | 102958<br>(IEN 1652) | 102964<br>(IEN 1653) | 102970<br>(IEN 1655) | 10 / 10 / 10 / 10 |
| 32   | 3     | 102953<br>(IEN 3231) | 102959<br>(IE 3232)  |                      | 102971<br>(IEN 3235) | 10 / 10 / - / 10  |
| 32   | 4     | 102954<br>(IEN 3241) | 102960<br>(IEN 3242) | 102966<br>(IEN 3243) | 102972<br>(IEN 3245) | 10 / 10 / 10 / 10 |
| 32   | 5     | 102955<br>(IEN 3251) | 102961<br>(IEN 3252) | 102967<br>(IEN 3253) | 102973<br>(IEN 3255) | 10 / 10 / 10 / 10 |

## Panel sockets angled IP44 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.



103048

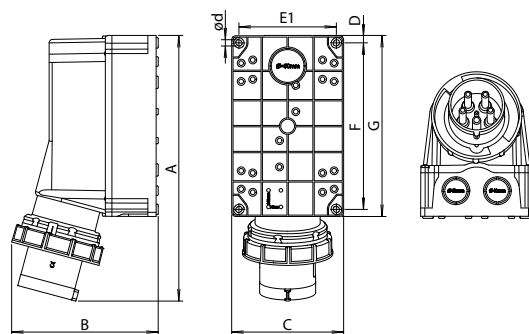
Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz | Pkg. (pcs.)   |
|------|-------|--------------------|----------------------|----------------------|--------------------|---------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                 |               |
| 63   | 3     |                    | 103043<br>(IEN 6332) |                      |                    | - / 2 / - / - |
| 63   | 4     |                    |                      | 103047<br>(IEN 6343) |                    | - / - / 2 / - |
| 63   | 5     |                    |                      | 103048<br>(IEN 6353) |                    | - / - / 2 / - |

## Wall inlets IP67 - 125 A

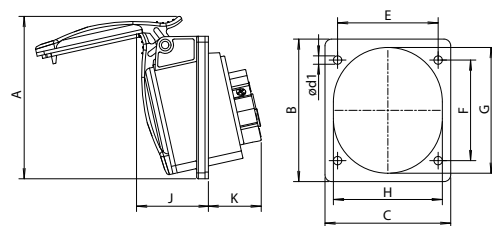
|     |       |                        | Dimensions (mm) |     |     |     |    |     |     |     |                  |
|-----|-------|------------------------|-----------------|-----|-----|-----|----|-----|-----|-----|------------------|
| Amp | Poles | Ord. No.               | A               | B   | C   | ø d | D  | E1  | F   | G   | R                |
| 125 | 3     | 102870, 102873         | 387             | 209 | 162 | 6   | 11 | 142 | 240 | 262 | M 63<br>2 x M 40 |
| 125 | 4     | 102871, 102877, 102880 | 387             | 209 | 162 | 6   | 11 | 142 | 240 | 262 | M 63<br>2 x M 40 |
| 125 | 5     | 102872, 102878, 102881 | 387             | 209 | 162 | 6   | 11 | 142 | 240 | 262 | M 63<br>2 x M 40 |

R - sealing range



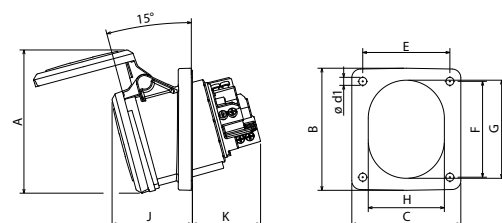
## Panel sockets angled IP44/IP54 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |    |    |      |    |    |    |    |    |    |
|-----|-------|------------------------|-----------------|----|----|------|----|----|----|----|----|----|
|     |       |                        | A               | B  | C  | ø d1 | E  | F  | G  | H  | J  | K  |
| 16  | 3     | 102956                 | 97              | 85 | 75 | 5,5  | 60 | 60 | 60 | 56 | 32 | 29 |
|     |       | 102950, 102968         | 97              | 97 | 80 |      |    | 73 | 61 | 51 | 47 | 38 |
| 16  | 4     | 102963                 | 93              | 85 | 75 | 5,5  | 60 | 60 | 66 | 60 | 42 | 31 |
|     |       | 102951, 102957, 102969 | 103             | 97 | 80 |      |    | 73 | 67 | 56 | 47 | 38 |
| 16  | 5     | 102964                 | 97              | 85 | 75 | 5,5  | 60 | 60 | 75 | 65 | 43 | 32 |
|     |       | 102952, 102958, 102970 | 105             | 97 | 80 |      |    | 73 | 76 | 65 | 49 | 38 |
| 32  | 3     | 102959                 | 116             | 95 | 80 | 5,5  | 60 | 70 | 80 | 68 | 42 | 42 |
|     |       | 102953, 102971         | 105             | 97 | 80 |      |    | 73 | 75 | 65 | 54 | 48 |
| 32  | 4     | 102966                 | 108             | 95 | 80 | 5,5  | 60 | 70 | 80 | 68 | 52 | 38 |
|     |       | 102954, 102960, 102972 | 105             | 97 | 80 |      |    | 73 | 75 | 65 | 55 | 48 |
| 32  | 5     | 102967                 | 111             | 95 | 80 | 5,5  | 60 | 70 | 85 | 72 | 52 | 39 |
|     |       | 102955, 102961, 102973 | 99              | 97 | 80 |      |    | 73 | 80 | 70 | 55 | 48 |



## Panel sockets angled IP44 - 63 A

| Amp | Poles | Ord. No. | Dimensions (mm) |     |     |      |    |    |    |    |    |    |
|-----|-------|----------|-----------------|-----|-----|------|----|----|----|----|----|----|
|     |       |          | A               | B   | C   | ø d1 | E  | F  | G  | H  | J  | K  |
| 63  | 3     | 103043   | 132             | 110 | 106 | 7    | 90 | 90 | 92 | 82 | 74 | 64 |
| 63  | 4     | 103047   | 132             | 110 | 106 | 7    | 90 | 90 | 92 | 82 | 74 | 64 |
| 63  | 5     | 103048   | 132             | 110 | 106 | 7    | 90 | 90 | 92 | 82 | 74 | 64 |



## Panel sockets angled - Screwless IP44/IP54 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Ord. No. 103144, 103147 have IP54 protection.



103144

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz |              |
|------|-------|----------------------|----------------------|----------------------|--------------------|--------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                 |              |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                    | Pkg. (pcs.)  |
| 16   | 3     | 103130<br>(IEB 1631) | 103136<br>(IEB 1632) |                      |                    | 10/10/ - / - |
| 16   | 4     | 103131<br>(IEB 1641) | 103137<br>(IEB 1642) | 103143<br>(IEB 1643) |                    | 10/10/10/ -  |
| 16   | 5     | 103132<br>(IEB 1651) | 103138<br>(IEB 1652) | 103144<br>(IEB 1653) |                    | 10/10/10/ -  |
| 32   | 3     | 103133<br>(IEB 3231) | 103139<br>(IEB 3232) |                      |                    | 10/10/ - / - |
| 32   | 4     | 103134<br>(IEB 3241) | 103140<br>(IEB 3242) | 103146<br>(IEB 3243) |                    | 10/10/10/ -  |
| 32   | 5     | 103135<br>(IEB 3251) | 103141<br>(IEB 3252) | 103147<br>(IEB 3253) |                    | 10/10/10/ -  |

## Panel sockets angled IP67 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



103237

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz   |               |
|------|-------|----------------------|----------------------|----------------------|----------------------|---------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                   |               |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                      | Pkg. (pcs.)   |
| 16   | 3     | 103220<br>(IEG 1631) | 103226<br>(IEG 1632) |                      | 103238<br>(IEG 1635) | 10/ 2/ - / 10 |
| 16   | 4     | 103221<br>(IEG 1641) | 103227<br>(IEG 1642) | 103233<br>(IEG 1643) | 103239<br>(IEG 1645) | 10/10/ 2 /10  |
| 16   | 5     | 103222<br>(IEG 1651) |                      | 103234<br>(IEG 1653) | 103240<br>(IEG 1655) | 10/ - / 2 /10 |
| 32   | 3     | 103223<br>(IEG 3231) | 103229<br>(IEG 3232) |                      | 103241<br>(IEG 3235) | 10/ 2/ - / 10 |
| 32   | 4     | 103224<br>(IEG 3241) | 103230<br>(IEG 3242) | 103236<br>(IEG 3243) | 103242<br>(IEG 3245) | 10/10/ 2 /10  |
| 32   | 5     | 103225<br>(IEG 3251) |                      | 103237<br>(IEG 3253) | 103243<br>(IEG 3255) | 10/ - / 2 /10 |

## Panel sockets angled - Screwless IP67 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1-4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



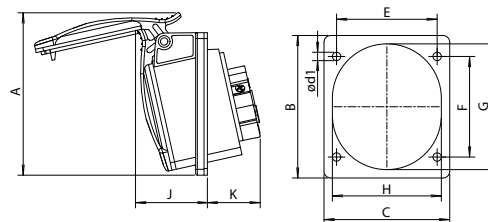
103327

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz |              |
|------|-------|-----------------------|-----------------------|-----------------------|--------------------|--------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                 |              |
| Amp. | Poles | Ord. No. (Type)       |                       |                       |                    | Pkg. (pcs.)  |
| 16   | 3     | 103310<br>(IEGB 1631) | 103316<br>(IEGB 1632) |                       |                    | 10/10/ - / - |
| 16   | 4     | 103311<br>(IEGB 1641) | 103317<br>(IEGB 1642) | 103323<br>(IEGB 1643) |                    | 10/10/10/ -  |
| 16   | 5     | 103312<br>(IEGB 1651) | 103318<br>(IEGB 1652) | 103324<br>(IEGB 1653) |                    | 10/10/10/ -  |
| 32   | 3     | 103313<br>(IEGB 3231) | 103319<br>(IEGB 3232) |                       |                    | 10/10/ - / - |
| 32   | 4     | 103314<br>(IEGB 3241) | 103320<br>(IEGB 3242) | 103326<br>(IEGB 3243) |                    | 10/10/10/ -  |
| 32   | 5     | 103315<br>(IEGB 3251) | 103321<br>(IEGB 3252) | 103327<br>(IEGB 3253) |                    | 10/10/10/ -  |

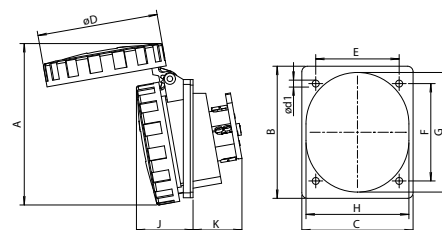
## Panel sockets angled - Screwless IP44/IP54 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |    |    |     |    |    |    |    |    |    |
|-----|-------|------------------------|-----------------|----|----|-----|----|----|----|----|----|----|
|     |       |                        | A               | B  | C  | øD  | E  | F  | G  | H  | J  | K  |
| 16  | 3     | 103130, 103136         | 97              | 97 | 80 | 5,5 | 60 | 73 | 61 | 51 | 47 | 41 |
| 16  | 4     | 103131, 103137, 103143 | 103             | 97 | 80 | 5,5 | 60 | 73 | 67 | 56 | 47 | 41 |
| 16  | 5     | 103144                 | 97              | 85 | 75 | 5,5 | 60 | 60 | 75 | 65 | 42 | 38 |
|     |       | 103132, 103138         | 105             | 97 | 80 |     |    | 73 | 76 | 65 | 49 | 41 |
| 32  | 3     | 103133, 103139         | 105             | 97 | 80 | 5,5 | 60 | 73 | 75 | 65 | 54 | 48 |
| 32  | 4     | 103134, 103140, 103146 | 105             | 97 | 80 | 5,5 | 60 | 73 | 75 | 65 | 54 | 48 |
| 32  | 5     | 103147                 | 111             | 95 | 80 | 5,5 | 60 | 70 | 85 | 72 | 52 | 55 |
|     |       | 103135, 103141         | 99              | 97 | 80 |     |    | 73 | 80 | 70 | 55 | 48 |



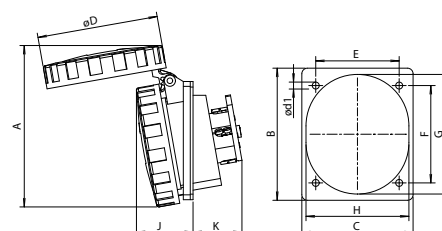
## Panel sockets angled IP67 - 16 A/32 A

|     |       |                        | Dimensions<br>(mm) |    |    |     |     |    |    |    |    |    |    |
|-----|-------|------------------------|--------------------|----|----|-----|-----|----|----|----|----|----|----|
| Amp | Poles | Ord. No.               | A                  | B  | C  | ØD  | ød1 | E  | F  | G  | H  | J  | K  |
| 16  | 3     | 103226                 | 100                | 85 | 75 | 70  | 5,5 | 60 | 60 | 60 | 56 | 39 | 39 |
|     |       | 103220, 103238         | 102                | 97 | 80 | 71  |     |    | 73 | 61 | 51 | 50 | 38 |
| 16  | 4     | 103233                 | 109                | 85 | 75 | 78  | 5,5 | 60 | 60 | 66 | 60 | 41 | 39 |
|     |       | 103221, 103227, 103239 | 106                | 97 | 80 | 79  |     |    | 73 | 67 | 56 | 52 | 38 |
| 16  | 5     | 103234                 | 116                | 85 | 75 | 87  | 5,5 | 60 | 60 | 75 | 65 | 42 | 39 |
|     |       | 103222, 103240         | 114                | 97 | 80 | 87  |     |    | 73 | 76 | 65 | 55 | 38 |
| 32  | 3     | 103229                 | 130                | 95 | 80 | 93  | 5,5 | 60 | 70 | 80 | 72 | 47 | 42 |
|     |       | 103223, 103241         | 120                | 97 | 80 | 93  |     |    | 73 | 75 | 65 | 59 | 48 |
| 32  | 4     | 103236                 | 130                | 95 | 80 | 93  | 5,5 | 60 | 70 | 80 | 72 | 47 | 42 |
|     |       | 103224, 103230, 103242 | 120                | 97 | 80 | 93  |     |    | 73 | 75 | 65 | 59 | 48 |
| 32  | 5     | 103237                 | 136                | 95 | 80 | 100 | 5,5 | 60 | 70 | 85 | 72 | 49 | 42 |
|     |       | 103225, 103243         | 127                | 97 | 80 | 100 |     |    | 73 | 80 | 70 | 61 | 48 |



## Panel sockets angled - Screwless IP67 - 16 A/32 A

|     |       |                        | Dimensions<br>(mm) |    |    |     |     |    |    |    |    |    |    |
|-----|-------|------------------------|--------------------|----|----|-----|-----|----|----|----|----|----|----|
| Amp | Poles | Ord. No.               | A                  | B  | C  | øD  | ød1 | E  | F  | G  | H  | J  | K  |
| 16  | 3     | 103310, 103316         | 102                | 97 | 80 | 71  | 5,5 | 60 | 73 | 61 | 51 | 50 | 41 |
| 16  | 4     | 103311, 103317, 103323 | 106                | 97 | 80 | 79  | 5,5 | 60 | 73 | 67 | 56 | 52 | 41 |
| 16  | 5     | 103312, 103318, 103324 | 114                | 97 | 80 | 87  | 5,5 | 60 | 73 | 76 | 65 | 55 | 41 |
| 32  | 3     | 103313, 103319         | 120                | 97 | 80 | 93  | 5,5 | 60 | 73 | 75 | 65 | 59 | 48 |
| 32  | 4     | 103314, 103320, 103326 | 120                | 97 | 80 | 93  | 5,5 | 60 | 73 | 75 | 65 | 59 | 48 |
| 32  | 5     | 103315, 103321, 103327 | 127                | 97 | 80 | 100 | 5,5 | 60 | 73 | 80 | 70 | 61 | 48 |



## Panel sockets angled IP67 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.



103408

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz    | Pkg. (pcs.)   |
|------|-------|-----------------------|-----------------------|-----------------------|-----------------------|---------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                    |               |
| 63   | 3     | 103400<br>(IEGN 6331) | 103403<br>(IEGN 6332) |                       |                       | 2 / 2 / - / - |
| 63   | 4     | 103401<br>(IEGN 6341) |                       | 103407<br>(IEGN 6343) | 103410<br>(IEGN 6345) | 2 / - / 2 / 2 |
| 63   | 5     | 103402<br>(IEGN 6351) |                       | 103408<br>(IEGN 6353) |                       | 2 / - / 2 / - |

## Panel sockets angled IP67 - 125 A

- Screw contacts.
- Flexible/rigid conductors 16 - 50/16 - 70 mm<sup>2</sup>.



103500

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz     | 230 V~<br>50/60 Hz     | 400 V~<br>50/60 Hz     | 500 V~<br>50/60 Hz     | Pkg. (pcs.)   |
|------|-------|------------------------|------------------------|------------------------|------------------------|---------------|
|      |       | 4h                     | 3p=6h   4p+5p=9h       | 3p=9h   4p+5p=6h       | 7h                     |               |
| 125  | 3     | 103480<br>(IEGN 12531) | 103489<br>(IEGN 12532) |                        |                        | 2 / 2 / - / - |
| 125  | 4     | 103481<br>(IEGN 12541) |                        | 103499<br>(IEGN 12543) | 103508<br>(IEGN 12545) | 2 / - / 2 / 2 |
| 125  | 5     | 103482<br>(IEGN 12551) |                        | 103500<br>(IEGN 12553) | 103509<br>(IEGN 12555) | 2 / - / 2 / 2 |

With pilot contact

|     |   |                          |                          |                          |                          |               |
|-----|---|--------------------------|--------------------------|--------------------------|--------------------------|---------------|
| 125 | 3 | 103483<br>(IEGN 12531-p) | 103492<br>(IEGN 12532-p) |                          |                          | 2 / 2 / - / - |
| 125 | 4 | 103484<br>(IEGN 12541-p) |                          | 103502<br>(IEGN 12543-p) | 103511<br>(IEGN 12545-p) | 2 / - / 2 / 2 |
| 125 | 5 | 103485<br>(IEGN 12551-p) |                          | 103503<br>(IEGN 12553-p) | 103512<br>(IEGN 12555-p) | 2 / - / 2 / 2 |

## Panel sockets straight IP44/IP54 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Ord. No. 103576, 103579, 103583, 103584, 106586, 103587 have IP54 protection.



103576

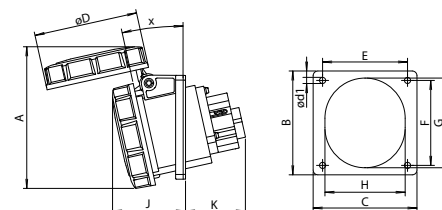
Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz | Pkg. (pcs.)    |
|------|-------|-----------------------|-----------------------|-----------------------|--------------------|----------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                 |                |
| 16   | 3     | 103570<br>(IERN 1631) | 103576<br>(IERN 1632) |                       |                    | 10/10 / - / -  |
| 16   | 4     |                       |                       | 103583<br>(IERN 1643) |                    | - / - / 10 / - |
| 16   | 5     |                       |                       | 103584<br>(IERN 1653) |                    | - / - / 10 / - |
| 32   | 3     | 103573<br>(IERN 3231) | 103579<br>(IERN 3232) |                       |                    | 10/10 / - / -  |
| 32   | 4     |                       |                       | 103586<br>(IERN 3243) |                    | - / - / 10 / - |
| 32   | 5     |                       |                       | 103587<br>(IERN 3253) |                    | - / - / 10 / - |



## Panel sockets angled IP67 - 63 A

|     |       |                        | Dimensions<br>(mm) |     |     |     |      |    |    |    |    |    |    |
|-----|-------|------------------------|--------------------|-----|-----|-----|------|----|----|----|----|----|----|
| Amp | Poles | Ord. No.               | A                  | B   | C   | ø D | ø d1 | E  | F  | G  | H  | J  | K  |
| 63  | 3     | 103400, 103403         | 148                | 110 | 106 | 112 | 7    | 90 | 90 | 92 | 82 | 80 | 64 |
| 63  | 4     | 103401, 103407, 103410 | 148                | 110 | 106 | 112 | 7    | 90 | 90 | 92 | 82 | 80 | 64 |
| 63  | 5     | 103408                 | 150                | 110 | 110 | 110 | 6,5  | 90 | 90 | 95 | 85 | 80 | 65 |
|     |       | 103402                 | 148                | 110 | 106 | 112 | 7    | 90 | 90 | 92 | 82 | 80 | 64 |



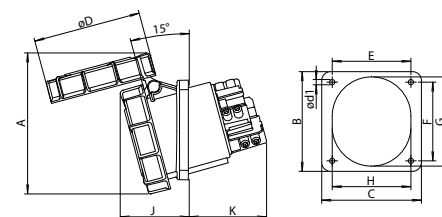
x = 15,0° for types 103400 -103403, 103407,103410  
x = 12,5° for type 103408

## Panel sockets angled IP67 - 125 A

|     |       |                        | Dimensions<br>(mm) |     |     |     |      |    |    |     |    |    |    |
|-----|-------|------------------------|--------------------|-----|-----|-----|------|----|----|-----|----|----|----|
| Amp | Poles | Ord. No.               | A                  | B   | C   | ø D | ø d1 | E  | F  | G   | H  | J  | K  |
| 125 | 3     | 103480, 103489         | 160                | 114 | 114 | 124 | 7    | 90 | 90 | 102 | 90 | 77 | 92 |
| 125 | 4     | 103481, 103499, 103508 | 160                | 114 | 114 | 124 | 7    | 90 | 90 | 102 | 90 | 77 | 92 |
| 125 | 5     | 103482, 103500, 103509 | 160                | 114 | 114 | 124 | 7    | 90 | 90 | 102 | 90 | 77 | 92 |

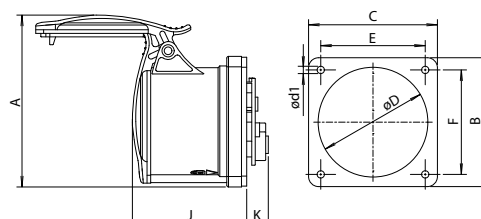
With pilot contact

|     |   |                        |     |     |     |     |   |    |    |     |    |    |    |
|-----|---|------------------------|-----|-----|-----|-----|---|----|----|-----|----|----|----|
| 125 | 3 | 103483, 103492         | 160 | 114 | 114 | 124 | 7 | 90 | 90 | 102 | 90 | 77 | 92 |
| 125 | 4 | 103484, 103502, 103511 | 160 | 114 | 114 | 124 | 7 | 90 | 90 | 102 | 90 | 77 | 92 |
| 125 | 5 | 103485, 103503, 103512 | 160 | 114 | 114 | 12  | 7 | 90 | 90 | 102 | 90 | 77 | 92 |



## Panel sockets straight IP44/IP54 - 16 A/32 A

| Amp | Poles | Ord. No. | Dimensions (mm) |    |    |      |     |    |    |    |    |  |
|-----|-------|----------|-----------------|----|----|------|-----|----|----|----|----|--|
|     |       |          | A               | B  | C  | ø d1 | ø D | E  | F  | J  | K  |  |
| 16  | 3     | 103576   | 99              | 75 | 75 | 4,2  | 58  | 60 | 60 | 65 | 12 |  |
|     |       | 103570   | 87              | 70 | 70 | 5,5  | 43  | 56 | 56 | 55 | 21 |  |
| 16  | 4     | 103583   | 94              | 75 | 75 | 4,2  | 58  | 60 | 60 | 64 | 13 |  |
| 16  | 5     | 103584   | 99              | 75 | 75 | 4,2  | 58  | 60 | 60 | 66 | 13 |  |
| 32  | 3     | 103579   | 102             | 75 | 75 | 4,2  | 63  | 60 | 60 | 75 | 18 |  |
|     |       | 103573   | 112             | 70 | 70 | 5,5  | 55  | 56 | 56 | 67 | 23 |  |
| 32  | 4     | 103586   | 102             | 75 | 75 | 4,2  | 63  | 60 | 60 | 75 | 18 |  |
| 32  | 5     | 103587   | 112             | 75 | 75 | 4,2  | 63  | 60 | 60 | 77 | 18 |  |



## Panel sockets straight - Screwless IP54 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



103674

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)  |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|--------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |              |
| 16   | 5     |                          |                                        | 103674<br>(IERB 1653)                  |                          | - / - /10/ - |
| 32   | 5     |                          |                                        | 103676<br>(IERB 3253)                  |                          | - / - /10/ - |

## House sockets 250 V - IP54/IP55

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 2,5 mm<sup>2</sup>.
- House sockets ord. No 103751, 103753 - German standard.
- Types with the affix "c" Ord. No. 103760, 103762, 103761, 103763 are with child protection.
- On an uneven surfaces to be used with sealing ord. No. 105770 for IP 54.
- Sockets Ord. No. 103759 is 5P/440V/16A.
- Ord. No. 103757, 103758, 10759 have IP55 protection.



103751

Complies with standards: STN IEC 60884-1, STN 35 4516  
DIN 49 440  
Material: PA6  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| French standard |       |                                                  |        |             | German standard |       |                                                     |        |             |
|-----------------|-------|--------------------------------------------------|--------|-------------|-----------------|-------|-----------------------------------------------------|--------|-------------|
| Amp.            | Poles | Ord. No. (Type)                                  | Colour | Pkg. (pcs.) | Amp.            | Poles | Ord. No. (Type)                                     | Colour | Pkg. (pcs.) |
| 16              | 3     | 103750, 103760<br>(VZ 16, VZ 16c)                | blue   | 10          | 16              | 3     | 103751, 103761<br>(VZ 16S, VZ 16cS)                 | blue   | 10          |
| 16              | 3     | 103752, 103762<br>(VZ 16/Black<br>(VZ 16c/Black) | black  | 10          | 16              | 3     | 103753, 103763<br>(VZ 16S/Black)<br>(VZ 16cS/Black) | black  | 10          |

| Danish system |       |                     |             | Italian system |       |                     |             | British system |       |                     |             |
|---------------|-------|---------------------|-------------|----------------|-------|---------------------|-------------|----------------|-------|---------------------|-------------|
| Amp.          | Poles | Ord. No. (Type)     | Pkg. (pcs.) | Amp.           | Poles | Ord. No. (Type)     | Pkg. (pcs.) | Amp.           | Poles | Ord. No. (Type)     | Pkg. (pcs.) |
| 16            | 3     | 103754<br>(VZ 16DK) | 10          | 16             | 3     | 103755<br>(VZ 16IT) | 10          | 13             | 3     | 103756<br>(VZ 16GB) | 10          |

| Swiss system (version) T13 |       |                      |             | Swiss system (version) T23 |       |                      |             | Swiss system (version) T25 |       |                      |             |
|----------------------------|-------|----------------------|-------------|----------------------------|-------|----------------------|-------------|----------------------------|-------|----------------------|-------------|
| Amp.                       | Poles | Ord. No. (Type)      | Pkg. (pcs.) | Amp.                       | Poles | Ord. No. (Type)      | Pkg. (pcs.) | Amp.                       | Poles | Ord. No. (Type)      | Pkg. (pcs.) |
| 10                         | 3     | 103757<br>(VZ 16T13) | 10          | 16                         | 3     | 103758<br>(VZ 16T23) | 10          | 16                         | 5     | 103759<br>(VZ 16T25) | 10          |

## House sockets 250 V - IP68

- Screw contacts.
- House socket with child protection, 100792 - German standard.
- Mechanical resistance IK07.
- Degree of protection IP68 (30 minutes at a depth of 2 meters.).
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 2,5 mm<sup>2</sup>.



103790

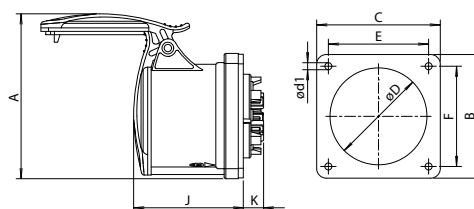
Complies with standards: STN IEC 60884-1, STN 35 4516  
DIN 49 440  
Halogen-free material: PA6  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| French standard |       |                    |             | German standard |       |                     |             |
|-----------------|-------|--------------------|-------------|-----------------|-------|---------------------|-------------|
| Amp.            | Poles | Ord. No. (Type)    | Pkg. (pcs.) | Amp.            | Poles | Ord. No. (Type)     | Pkg. (pcs.) |
| 16              | 3     | 103790<br>(VZG 16) | 10          | 16              | 3     | 103792<br>(VZG 16S) | 10          |

Products may differ from the illustration.

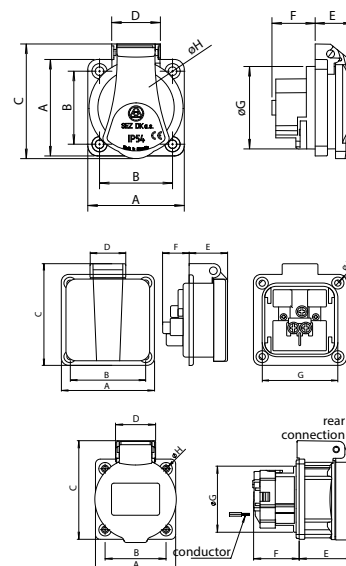
## Panel sockets straight - Screwless IP44 - 16 A/32 A

| Amp | Poles | Ord. No. | Dimensions (mm) |    |    |      |     |    |    |    |    |
|-----|-------|----------|-----------------|----|----|------|-----|----|----|----|----|
|     |       |          | A               | B  | C  | ø d1 | ø D | E  | F  | J  | K  |
| 16  | 5     | 103674   | 99              | 75 | 75 | 4,2  | 58  | 60 | 60 | 66 | 12 |
| 32  | 5     | 103676   | 112             | 75 | 75 | 4,2  | 63  | 60 | 60 | 77 | 21 |



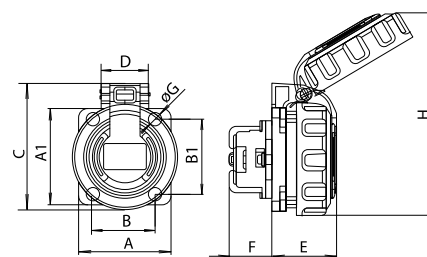
## House sockets 250 V - IP54/IP55

| Amp | Poles | Ord. No.       | Dimensions (mm) |    |      |      |      |    |     |     |
|-----|-------|----------------|-----------------|----|------|------|------|----|-----|-----|
|     |       |                | A               | B  | C    | D    | E    | F  | ø G | ø H |
| 16  | 3     | 103750, 103760 | 50              | 38 | 60   | 25   | 20   | 23 | 43  | 4,5 |
| 16  | 3     | 103751, 103761 | 50              | 38 | 60   | 25   | 20   | 23 | 43  | 4,5 |
| 16  | 3     | 103752, 103762 | 50              | 38 | 60   | 25   | 20   | 23 | 43  | 4,5 |
| 16  | 3     | 103753, 103763 | 50              | 38 | 60   | 25   | 20   | 23 | 43  | 4,5 |
| 16  | 3     | 103754         | 50              | 38 | 60   | 24,5 | 23   | 30 | -   | 4,2 |
| 16  | 3     | 103755         | 50              | 38 | 61,5 | 25,5 | 14,5 | 29 | -   | 4,2 |
| 13  | 3     | 103756         | 50              | 38 | 64   | 25   | 18   | 22 | 35  | 4,2 |
| 10  | 3     | 103757         | 50              | 38 | 62   | 25   | 34   | 24 | 42  | 4,5 |
| 16  | 3     | 103758         | 50              | 38 | 62   | 25   | 34   | 24 | 42  | 4,5 |
| 16  | 5     | 103759         | 50              | 38 | 62   | 25   | 34   | 29 | 42  | 4,5 |



## House sockets 250 V - IP68

| Amp | Poles | Ord. No. | Dimensions (mm) |    |    |      |    |    |    |    |     |     |
|-----|-------|----------|-----------------|----|----|------|----|----|----|----|-----|-----|
|     |       |          | A               | A1 | B  | B1   | C  | D  | E  | F  | ø G | H   |
| 16  | 3     | 103790   | 55              | 58 | 38 | 46,5 | 75 | 29 | 36 | 24 | 4   | 132 |
| 16  | 3     | 103792   | 55              | 58 | 38 | 46,5 | 75 | 29 | 36 | 24 | 4   | 132 |



## House sockets 48 V - IP54

- Screw contacts.
- It is possible to insert the plug with flat pins 10 A/48 V into this socket, which is in accordance with the norm STN 35 4517 modification "K" (2P). VZ 48 socket can also be used in case of lower voltage, i. e. 24 V or 12 V. For that case it is necessary to add an extra label where applied voltage is written.



103830

|                             |                                 |
|-----------------------------|---------------------------------|
| Complies with standards:    | STN IEC 60884-1,<br>STN 35 4517 |
| Material:                   | PA6                             |
| Surface treatment contacts: | passivated brass                |
| Operating temperature:      | -25 °C to +55 °C                |

| Amp. | Poles | 110 V~<br>50/60 Hz | 48 V AC/DC<br>50 Hz | 400 V~<br>50/60 Hz | 500 V~<br>50/60 Hz | Pkg. (pcs.)   |
|------|-------|--------------------|---------------------|--------------------|--------------------|---------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h    | 3p=9h   4p+5p=6h   | 7h                 |               |
| 10   | 2     |                    | 103830<br>(VZ 48)   |                    |                    | - / 2 / - / - |

## Panel inlets angled IP44 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



103857

|                             |                                       |
|-----------------------------|---------------------------------------|
| Complies with standards:    | IEC 60309-1, -2<br>STN EN 60309-1, -2 |
| Material:                   | PA6, ABS                              |
| Surface treatment contacts: | passivated brass                      |
| Operating temperature:      | -25 °C to +55 °C                      |

| Amp. | Poles | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz  | 400 V~<br>50/60 Hz  | 500 V~<br>50/60 Hz | Pkg. (pcs.)   |
|------|-------|--------------------|---------------------|---------------------|--------------------|---------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h    | 3p=9h   4p+5p=6h    | 7h                 |               |
| 16   | 3     |                    | 103846<br>(IR 1632) |                     |                    | - / 2 / - / - |
| 16   | 4     |                    |                     | 103853<br>(IR 1643) |                    | - / - / 2 / - |
| 16   | 5     |                    |                     | 103854<br>(IR 1653) |                    | - / - / 2 / - |
| 32   | 3     |                    | 103849<br>(IR 3232) |                     |                    | - / 2 / - / - |
| 32   | 4     |                    |                     | 103856<br>(IR 3243) |                    | - / - / 2 / - |
| 32   | 5     |                    |                     | 103857<br>(IR 3253) |                    | - / - / 2 / - |

## Panel inlets angled IP67 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



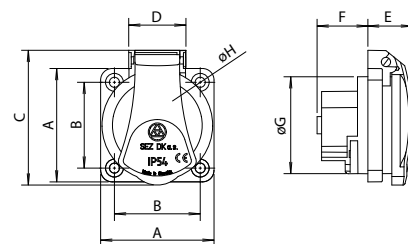
103947

|                             |                                       |
|-----------------------------|---------------------------------------|
| Complies with standards:    | IEC 60309-1, -2<br>STN EN 60309-1, -2 |
| Material:                   | PA6, ABS                              |
| Surface treatment contacts: | passivated brass                      |
| Operating temperature:      | -25 °C to +55 °C                      |

| Amp. | Poles | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz | Pkg. (pcs.)   |
|------|-------|--------------------|----------------------|----------------------|--------------------|---------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                 |               |
| 16   | 3     |                    | 103936<br>(IRG 1632) |                      |                    | - / 2 / - / - |
| 16   | 4     |                    |                      | 103943<br>(IRG 1643) |                    | - / - / 2 / - |
| 16   | 5     |                    |                      | 103944<br>(IRG 1653) |                    | - / - / 2 / - |
| 32   | 3     |                    | 103939<br>(IRG 3232) |                      |                    | - / 2 / - / - |
| 32   | 4     |                    |                      | 103946<br>(IRG 3243) |                    | - / - / 2 / - |
| 32   | 5     |                    |                      | 103947<br>(IRG 3253) |                    | - / - / 2 / - |

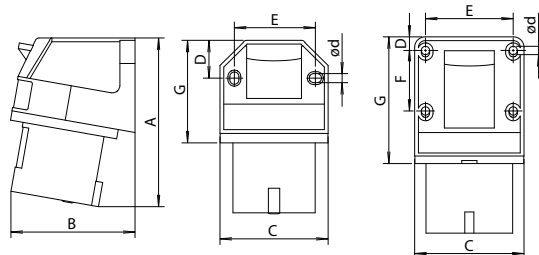
## House sockets 48 V - IP54

| Amp | Poles | Ord. No. | Dimensions (mm) |    |      |    |    |    |     |     |
|-----|-------|----------|-----------------|----|------|----|----|----|-----|-----|
|     |       |          | A               | B  | C    | D  | E  | F  | ø G | ø H |
| 10  | 2     | 103830   | 50              | 38 | 59,5 | 25 | 22 | 17 | 43  | 4,5 |



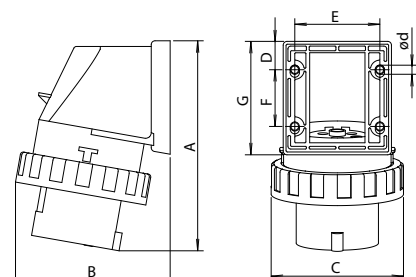
## Panel inlets angled IP44 - 16 A/32 A

| Amp | Poles | Ord. No. | Dimensions (mm) |    |    |     |    |    |    |    |
|-----|-------|----------|-----------------|----|----|-----|----|----|----|----|
|     |       |          | A               | B  | C  | ø d | D  | E  | F  | G  |
| 16  | 3     | 103846   | 89              | 66 | 57 | 4,8 | 20 | 43 | -  | 49 |
| 16  | 4     | 103853   | 98              | 78 | 65 | 4,8 | 27 | 50 | -  | 58 |
| 16  | 5     | 103854   | 98              | 78 | 65 | 4,8 | 27 | 50 | -  | 58 |
| 32  | 3     | 103849   | 127             | 88 | 72 | 5,5 | 9  | 58 | 40 | 79 |
| 32  | 4     | 103856   | 127             | 88 | 72 | 5,5 | 9  | 58 | 40 | 79 |
| 32  | 5     | 103857   | 128             | 91 | 72 | 5,5 | 9  | 58 | 40 | 79 |



## Panel inlets angled IP67 - 16 A/32 A

| Amp | Poles | Ord. No. | Dimensions (mm) |     |     |     |      |    |    |    |
|-----|-------|----------|-----------------|-----|-----|-----|------|----|----|----|
|     |       |          | A               | B   | C   | ø d | D    | E  | F  | G  |
| 16  | 3     | 103936   | 111             | 82  | 70  | 4,8 | 15   | 45 | 30 | 60 |
| 16  | 4     | 103943   | 115             | 93  | 78  | 5,2 | 17,5 | 50 | 30 | 65 |
| 16  | 5     | 103944   | 115             | 93  | 78  | 5,2 | 17,5 | 50 | 30 | 65 |
| 32  | 3     | 103939   | 139             | 109 | 93  | 5,2 | 20   | 58 | 40 | 80 |
| 32  | 4     | 103946   | 139             | 109 | 93  | 5,2 | 20   | 58 | 40 | 80 |
| 32  | 5     | 103947   | 139             | 113 | 100 | 5,2 | 20   | 58 | 40 | 80 |





### Panel inlets angled IP67 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.



104028

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz    | Pkg. (pcs.)   |
|------|-------|-----------------------|-----------------------|-----------------------|-----------------------|---------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                    |               |
| 63   | 3     | 104020<br>(IRGN 6331) | 104023<br>(IRGN 6332) |                       | 104029<br>(IRGN 6335) | 2 / 2 / - / 2 |
|      | 4     | 104021<br>(IRGN 6341) | 104024<br>(IRGN 6342) | 104027<br>(IRGN 6343) | 104030<br>(IRGN 6345) | 2 / 2 / 2 / 2 |
| 63   | 5     | 104022<br>(IRGN 6351) | 104025<br>(IRGN 6352) | 104028<br>(IRGN 6353) | 104031<br>(IRGN 6355) | 2 / 2 / 2 / 2 |

### Panel inlets straight IP44/IP54 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Ord. No. 104076, 104079, 104083, 104084, 104086, 104087 have IP54 protection.



104084

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz    | Pkg. (pcs.)     |
|------|-------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                    |                 |
| 16   | 3     | 104070<br>(IRRN 1631) | 104076<br>(IRRN 1632) |                       | 104088<br>(IRRN 1635) | 10 / 2 / - / 10 |
| 16   | 4     | 104071<br>(IRRN 1641) |                       | 104083<br>(IRRN 1643) | 104089<br>(IRRN 1645) | 10 / - / 2 / 10 |
| 16   | 5     | 104072<br>(IRRN 1651) |                       | 104084<br>(IRRN 1653) | 104090<br>(IRRN 1655) | 10 / - / 2 / 10 |
| 32   | 3     | 104073<br>(IRRN 3231) | 104079<br>(IRRN 3232) |                       | 104091<br>(IRRN 3235) | 10 / 2 / - / 10 |
| 32   | 4     | 104074<br>(IRRN 3241) |                       | 104086<br>(IRRN 3243) | 104092<br>(IRRN 3245) | 10 / - / 2 / 10 |
| 32   | 5     | 104075<br>(IRRN 3251) |                       | 104087<br>(IRRN 3253) | 104093<br>(IRRN 3255) | 10 / - / 2 / 10 |

### Panel inlets straight - Screwless IP44/IP54 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- Ord. No. 104174, 104177 have IP54 protection.



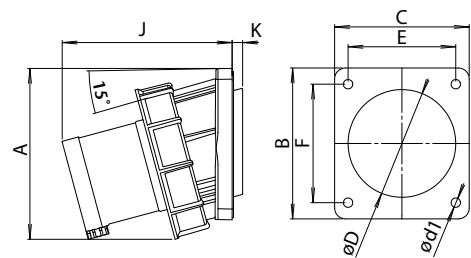
104174

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz | Pkg. (pcs.)   |
|------|-------|-----------------------|-----------------------|-----------------------|--------------------|---------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                 |               |
| 16   | 3     | 104160<br>(IRRB 1631) | 104166<br>(IRRB 1632) |                       |                    | 10/10 / - / - |
| 16   | 5     | 104162<br>(IRRB 1651) | 104168<br>(IRRB 1652) | 104174<br>(IRRB 1653) |                    | 10/10 / 2 / - |
| 32   | 4     | 104164<br>(IRRB 3241) | 104170<br>(IRRB 3242) |                       |                    | 10/10 / - / - |
| 32   | 5     | 104165<br>(IRRB 3251) | 104171<br>(IRRB 3252) | 104177<br>(IRRB 3253) |                    | 10/10 / 2 / - |

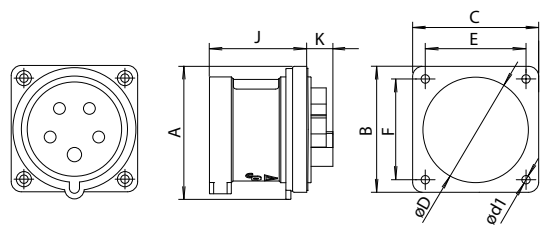
## Panel inlets angled IP67 - 63 A

| Amp | Poles | Ord. No.                       | Dimensions (mm) |     |     |     |    |    |    |     |   |
|-----|-------|--------------------------------|-----------------|-----|-----|-----|----|----|----|-----|---|
|     |       |                                | A               | B   | C   | ød1 | øD | E  | F  | J   | K |
| 63  | 3     | 104020, 104023, 104029         | 127             | 112 | 100 | 7   | 80 | 80 | 88 | 127 | 8 |
| 63  | 4     | 104021, 104024, 104027, 104030 | 127             | 112 | 100 | 7   | 80 | 80 | 88 | 127 | 8 |
| 63  | 5     | 104022, 104025, 104028, 104031 | 127             | 112 | 100 | 7   | 80 | 80 | 88 | 127 | 8 |



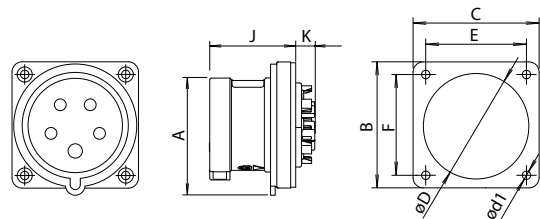
## Panel inlets straight IP44/IP54 - 16 A/32 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |    |    |     |    |    |    |    |    |
|-----|-------|----------------|-----------------|----|----|-----|----|----|----|----|----|
|     |       |                | A               | B  | C  | ød1 | øD | E  | F  | J  | K  |
| 16  | 3     | 104076         | -               | 75 | 75 | 4   | 57 | 60 | 60 | 48 | 19 |
|     |       | 104070, 104088 | -               | 70 | 70 | 5,5 | 43 | 56 | 56 | 42 | 21 |
| 16  | 4     | 104083         | -               | 75 | 75 | 4   | 57 | 60 | 60 | 48 | 18 |
|     |       | 104071, 104089 | -               | 70 | 70 | 5,5 | 43 | 56 | 56 | 42 | 21 |
| 16  | 5     | 104084         | -               | 75 | 75 | 4   | 57 | 60 | 60 | 48 | 18 |
|     |       | 104072, 104090 | -               | 70 | 70 | 5,5 | 55 | 56 | 56 | 42 | 20 |
| 32  | 3     | 104079         | -               | 75 | 75 | 4   | 64 | 60 | 60 | 58 | 16 |
|     |       | 104073, 104091 | -               | 70 | 70 | 5,5 | 55 | 56 | 56 | 51 | 21 |
| 32  | 4     | 104086         | -               | 75 | 75 | 4   | 64 | 60 | 60 | 58 | 16 |
|     |       | 104074, 104092 | -               | 70 | 70 | 5,5 | 55 | 56 | 56 | 51 | 21 |
| 32  | 5     | 104087         | 80              | 75 | 75 | 4   | 64 | 60 | 60 | 58 | 16 |
|     |       | 104075, 104093 | -               | 70 | 70 | 5,5 | 55 | 56 | 56 | 51 | 21 |



## Panel inlets straight - Screwless IP44/IP54 - 16 A/32 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |    |    |     |    |    |    |    |    |
|-----|-------|----------------|-----------------|----|----|-----|----|----|----|----|----|
|     |       |                | A               | B  | C  | ød1 | øD | E  | F  | J  | K  |
| 16  | 3     | 104160, 104166 | -               | 70 | 70 | 5,5 | 43 | 56 | 56 | 42 | 26 |
| 16  | 5     | 104174         | -               | 75 | 75 | 4   | 57 | 60 | 60 | 51 | 12 |
|     |       | 104162, 104168 | -               | 70 | 70 | 5,5 | 55 | 56 | 56 | 42 | 26 |
| 32  | 4     | 104164, 104170 | -               | 70 | 70 | 5,5 | 55 | 56 | 56 | 51 | 29 |
| 32  | 5     | 104177         | 79              | 75 | 75 | 4   | 64 | 60 | 60 | 61 | 19 |
|     |       | 104165, 104171 | -               | 70 | 70 | 5,5 | 55 | 56 | 56 | 51 | 29 |



## Panel inlets - Phase reverse IP44 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1-2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.
- In position can be changed by turning the screwdriver by 180 degrees to achieve the phase change.



104267

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)    |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|----------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |                |
| 16   | 5     |                          |                                        | 104264<br>(IRRNO 1653)                 |                          | - / - / 2 / -  |
| 32   | 4     |                          |                                        | 104266<br>(IRRNO 3243)                 |                          | - / - / 10 / - |
| 32   | 5     |                          |                                        | 104267<br>(IRRNO 3253)                 |                          | - / - / 2 / -  |

## Panel inlets straight IP67 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



104324

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)     |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|-----------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |                 |
| 16   | 3     | 104310<br>(IRRGN 1631)   |                                        |                                        | 104328<br>(IRRGN 1635)   | 10 / - / - / 10 |
| 16   | 4     | 104311<br>(IRRGN 1641)   |                                        |                                        | 104329<br>(IRRGN 1645)   | 10 / - / - / 10 |
| 16   | 5     | 104312<br>(IRRGN 1651)   |                                        | 104324<br>(IRRGN 1653)                 | 104330<br>(IRRGN 1655)   | 10 / - / 2 / 10 |
| 32   | 3     | 104313<br>(IRRGN 3231)   |                                        |                                        | 104331<br>(IRRGN 3235)   | 10 / - / - / 10 |
| 32   | 4     | 104314<br>(IRRGN 3241)   |                                        |                                        | 104332<br>(IRRGN 3245)   | 10 / - / - / 10 |
| 32   | 5     | 104315<br>(IRRGN 3251)   |                                        | 104327<br>(IRRGN 3253)                 | 104333<br>(IRRGN 3255)   | 10 / - / 2 / 10 |

## Panel inlets straight - Screwless IP67 - 16 A/32 A

- Screwless contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



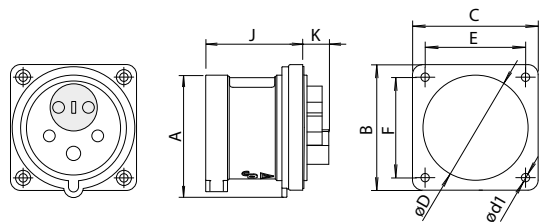
104414

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16   | 3     | 104400<br>(IRRGB 1631)   | 104406<br>(IRRGB 1632)                 |                                        |                          | 10/10 / - / - |
| 16   | 5     | 104402<br>(IRRGB 1651)   | 104408<br>(IRRGB 1652)                 | 104414<br>(IRRGB 1653)                 |                          | 10/10/10 / -  |
| 32   | 4     | 104404<br>(IRRGB 3241)   | 104410<br>(IRRGB 3242)                 | 104416<br>(IRRGB 3243)                 |                          | 10/10/10 / -  |
| 32   | 5     | 104405<br>(IRRGB 3251)   | 104411<br>(IRRGB 3252)                 | 104417<br>(IRRGB 3253)                 |                          | 10/10/10 / -  |

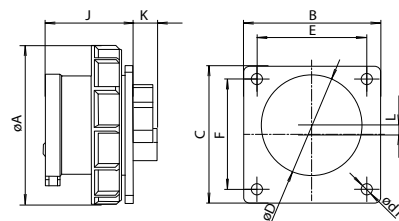
## Panel inlets - Phase reverse IP44 - 16 A/32 A

| Amp | Poles | Ord. No. | Dimensions (mm) |    |    |     |    |    |    |    |    |
|-----|-------|----------|-----------------|----|----|-----|----|----|----|----|----|
|     |       |          | A               | B  | C  | ød1 | øD | E  | F  | J  | K  |
| 16  | 5     | 104264   | -               | 75 | 75 | 4,2 | 57 | 60 | 60 | 48 | 18 |
| 32  | 4     | 104266   | -               | 70 | 70 | 5,5 | 55 | 56 | 56 | 51 | 21 |
| 32  | 5     | 104267   | 80              | 75 | 75 | 4,2 | 64 | 60 | 60 | 58 | 15 |



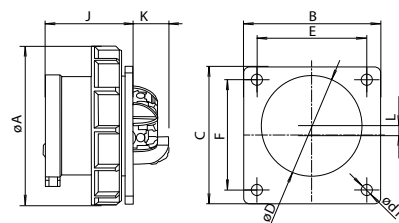
## Panel inlets straight IP67 - 16 A/32 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |    |    |      |     |    |    |    |    |      |
|-----|-------|----------------|-----------------|----|----|------|-----|----|----|----|----|------|
|     |       |                | ø A             | B  | C  | ø d1 | ø D | E  | F  | J  | K  | L    |
| 16  | 3     | 104310, 104328 | 71              | 75 | 75 | 5,5  | 43  | 60 | 60 | 48 | 15 | 11,3 |
| 16  | 4     | 104311, 104329 | 79              | 75 | 75 | 5,5  | 44  | 60 | 60 | 48 | 14 | 6    |
| 16  | 5     | 104324         | 87              | 85 | 75 | 4    | 65  | 64 | 73 | 59 | 22 | 0    |
|     |       | 104312, 104330 | 87              | 75 | 75 | 5,5  | 55  | 60 | 60 | 48 | 13 | 5    |
| 32  | 3     | 104313, 104331 | 93              | 75 | 75 | 5,5  | 55  | 60 | 60 | 58 | 14 | 4,5  |
| 32  | 4     | 104314, 104332 | 93              | 75 | 75 | 5,5  | 55  | 60 | 60 | 58 | 15 | 4,5  |
| 32  | 5     | 104327         | 100             | 95 | 80 | 4    | 71  | 70 | 84 | 72 | 24 | 0    |
|     |       | 104315, 104333 | 100             | 75 | 75 | 5,5  | 55  | 60 | 60 | 58 | 14 | 0    |



## Panel inlets straight - Screwless IP67 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |    |    |      |     |    |    |    |    |      |
|-----|-------|------------------------|-----------------|----|----|------|-----|----|----|----|----|------|
|     |       |                        | ø A             | B  | C  | ø d1 | ø D | E  | F  | J  | K  | L    |
| 16  | 3     | 104400, 104406         | 71              | 75 | 75 | 5,5  | 43  | 60 | 60 | 48 | 20 | 11,3 |
| 16  | 5     | 104402, 104408, 104414 | 87              | 75 | 75 | 5,5  | 55  | 60 | 60 | 48 | 20 | 5    |
| 32  | 4     | 104404, 104410, 104416 | 93              | 75 | 75 | 5,5  | 55  | 60 | 60 | 58 | 21 | 4,5  |
| 32  | 5     | 104405, 104411, 104417 | 100             | 75 | 75 | 5,5  | 55  | 60 | 60 | 58 | 21 | 0    |



## Panel inlets straight IP67 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 16/6 - 25 mm<sup>2</sup>.



104498

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 63   | 3     | 104490<br>(IRRGN 6331)   | 104493<br>(IRRGN 6332)                 |                                        |                          | 2 / 2 / - / - |
| 63   | 4     | 104491<br>(IRRGN 6341)   |                                        | 104497<br>(IRRGN 6343)                 |                          | 2 / - / 2 / - |
| 63   | 5     | 104492<br>(IRRGN 6351)   |                                        | 104498<br>(IRRGN 6353)                 |                          | 2 / - / 2 / - |

## Panel inlets straight IP67 - 125 A

- Screw contacts.
- Flexible/rigid conductors 16 - 50/16 - 70 mm<sup>2</sup>.



104548

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 125  | 3     | 104540<br>(IRRGN 12531)  | 104543<br>(IRRGN 12532)                |                                        |                          | 2 / 2 / - / - |
| 125  | 4     | 104541<br>(IRRGN 12541)  |                                        | 104547<br>(IRRGN 12543)                | 104550<br>(IRRGN 12545)  | 2 / - / 2 / 2 |
| 125  | 5     | 104542<br>(IRRGN 12551)  |                                        | 104548<br>(IRRGN 12553)                | 104551<br>(IRRGN 12555)  | 2 / - / 2 / 2 |

## Adapters IP44 400 V 5P -> 4P - 16 A/32 A

- Screw contacts.
- The use of the adapter A 5p/4p is determined by the symmetrical load since the 4-pole socket connection is 3P+PE.



104634

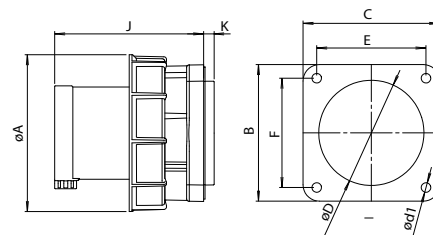
Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16   | 5/4   |                          |                                        | 104634<br>(A 1653/43)                  |                          | - / - / 2 / - |
| 32   | 5/4   |                          |                                        | 104637<br>(A 3253/43)                  |                          | - / - / 2 / - |



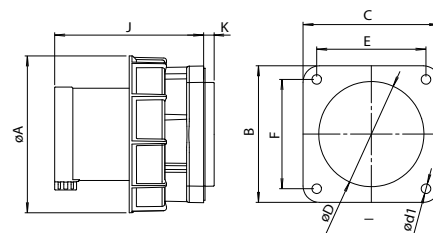
## Panel inlets straight IP67 - 63 A

| Amp | Poles | Ord. No.       | Dimensions (mm) |     |     |      |     |    |    |     |   |
|-----|-------|----------------|-----------------|-----|-----|------|-----|----|----|-----|---|
|     |       |                | ø A             | B   | C   | ø d1 | ø D | E  | F  | J   | K |
| 63  | 3     | 104490, 104493 | 115             | 100 | 100 | 8    | 77  | 80 | 80 | 109 | 7 |
| 63  | 4     | 104491, 104497 | 115             | 100 | 100 | 8    | 77  | 80 | 80 | 109 | 7 |
| 63  | 5     | 104492, 104498 | 115             | 100 | 100 | 8    | 77  | 80 | 80 | 109 | 7 |



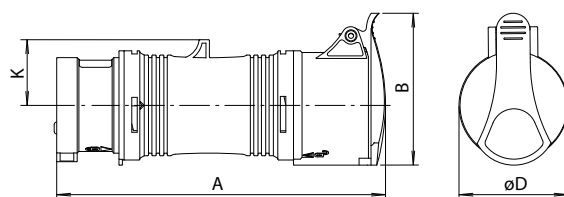
## Panel inlets straight IP67 -125 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |     |      |     |     |      |     |    |
|-----|-------|------------------------|-----------------|-----|-----|------|-----|-----|------|-----|----|
|     |       |                        | ø A             | B   | C   | ø d1 | ø D | E   | F    | J   | K  |
| 125 | 3     | 104540, 104543         | 131             | 120 | 120 | 7    | 95  | 100 | 100  | 118 | 13 |
| 125 | 4     | 10541, 104547, 104550  | 131             | 120 | 120 | 7    | 95  | 100 | 100  | 118 | 13 |
| 125 | 5     | 104542, 104548, 104551 | 131             | 120 | 120 | 7    | 95  | 100 | 1000 | 118 | 13 |



## Adapters IP44 400 V 5P -> 4P - 16 A/32 A

| Amp | Poles | Ord. No. | Dimensions (mm) |    |    |    |
|-----|-------|----------|-----------------|----|----|----|
|     |       |          | A               | B  | øD | K  |
| 16  | 5/4   | 104634   | 181             | 82 | 64 | 39 |
| 32  | 5/4   | 104637   | 235             | 96 | 74 | 45 |



## Adapters IP44 400 V 16 A -> 32 A - 4P/5P

- Screw contacts.



104694

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp.  | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|-------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|       |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16/32 | 4     |                          |                                        | 104693<br>(A 16-32/4)                  |                          | - / - / 2 / - |
| 16/32 | 5     |                          |                                        | 104694<br>(A 16-32/5)                  |                          | - / - / 2 / - |

## Phase reverse adapters - fixed IP44 400 V - 16 A/32 A

- Screw contacts.



104754

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16   | 4     |                          |                                        | 104753<br>(RA 1643)                    |                          | - / - / 2 / - |
| 16   | 5     |                          |                                        | 104754<br>(RA 1653)                    |                          | - / - / 2 / - |
| 32   | 4     |                          |                                        | 104756<br>(RA 3243)                    |                          | - / - / 2 / - |
| 32   | 5     |                          |                                        | 104757<br>(RA 3253)                    |                          | - / - / 2 / - |

## Adapter IP 44 400 V 16 A -> 32 A with switchable phase reverse 5P

- Screw contacts.



104812



Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp.  | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|-------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|       |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16/32 | 5     |                          |                                        | 104812<br>(A 16-32/5-0)                |                          | - / - / 2 / - |

## Adapters IP 44 400 V 5P -> 4P - 16 A/32 A with switchable phase reverse

- Screw contacts.
- The use of the adapter A 5p/4p is determined by the symmetrical load since the 4-pole socket connection is 3P+PE.



104817



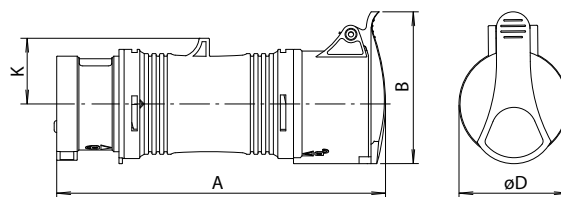
Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16   | 5/4   |                          |                                        | 104814<br>(A 1653/43-0)                |                          | - / - / 2 / - |
| 32   | 5/4   |                          |                                        | 104817<br>(A 3253/43-0)                |                          | - / - / 2 / - |

Products may differ from the illustration.

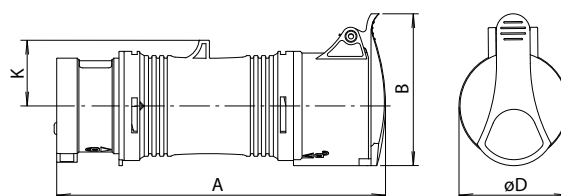
## Adapters IP44 400 V 16 A -> 32 A 4P/5P

| Amp   | Poles | Ord. No. | Dimensions (mm) |     |    |    |
|-------|-------|----------|-----------------|-----|----|----|
|       |       |          | A               | B   | øD | K  |
| 16/32 | 4     | 104693   | 200             | 96  | 73 | 35 |
| 16/32 | 5     | 104694   | 202             | 103 | 74 | 39 |



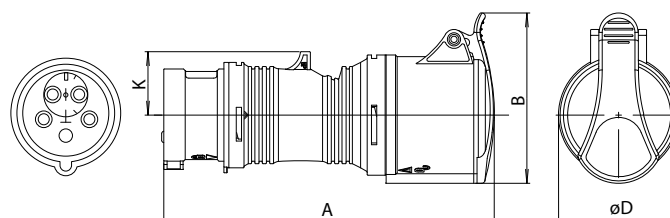
## Phase reverse adapters - fixed IP44 400 V - 16 A/32 A

| Amp | Poles | Ord. No. | Dimensions (mm) |     |    |    |
|-----|-------|----------|-----------------|-----|----|----|
|     |       |          | A               | B   | øD | K  |
| 16  | 4     | 104753   | 181             | 82  | 64 | 35 |
| 16  | 5     | 104754   | 194             | 89  | 64 | 39 |
| 32  | 4     | 104756   | 235             | 96  | 73 | 35 |
| 32  | 5     | 104757   | 237             | 104 | 74 | 45 |



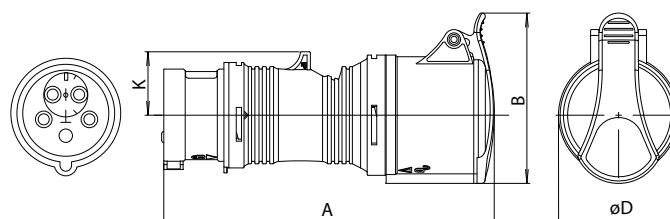
## Adapter IP 44 400 V 16 A -> 32 A with switchable phase reverse 5P

| Amp   | Poles | Ord. No. | Dimensions (mm) |     |    |    |
|-------|-------|----------|-----------------|-----|----|----|
|       |       |          | A               | B   | øD | K  |
| 16/32 | 5     | 104812   | 202             | 103 | 74 | 39 |



## Adapters IP 44 400 V 5P -> 4P - 16 A/32 A with switchable phase reverse

| Amp | Poles | Ord. No. | Dimensions (mm) |    |    |    |
|-----|-------|----------|-----------------|----|----|----|
|     |       |          | A               | B  | øD | K  |
| 16  | 5/4   | 104814   | 181             | 82 | 64 | 39 |
| 32  | 5/4   | 104817   | 235             | 96 | 74 | 45 |



## Cable adapters IP20 indust. plug 3P -> house socket

- Screw contacts.
- Ord. No. 104867 - house socket German standard.



104866

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz | 400 V~<br>50/60 Hz | 500 V~<br>50/60 Hz | Pkg. (pcs.)   |
|------|-------|--------------------|--------------------|--------------------|--------------------|---------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h   | 3p=9h   4p+5p=6h   | 7h                 |               |
| 16   | 3     |                    | 104866<br>(SA-1)   |                    |                    | - / 1 / - / - |
| 16   | 3     |                    | 104867<br>(SA-1S)  |                    |                    | - / 1 / - / - |

## Cable adapters IP20 indust. plug 5P -> house socket

- Ord. No. 104935 - house socket German standard.



104934

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz | 400 V~<br>50/60 Hz | 500 V~<br>50/60 Hz | Pkg. (pcs.)   |
|------|-------|--------------------|--------------------|--------------------|--------------------|---------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h   | 3p=9h   4p+5p=6h   | 7h                 |               |
| 16   | 5     |                    |                    | 104934<br>(SA-2)   |                    | - / - / 1 / - |
| 16   | 5     |                    |                    | 104935<br>(SA-2S)  |                    | - / - / 1 / - |

## Cable adapters IP20 house plug -> indust. socket 3P

- Ord. No. 104986 - indust. plug 16A/3p.
- Ord. No. 104989 - indust. plug 32A/3p.



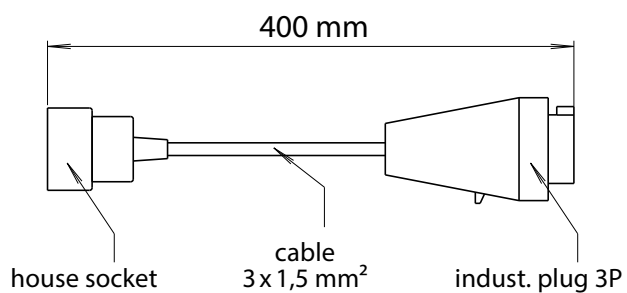
104989

Complies with standards: IEC 60309-1, -2  
STN EN 60309-1, -2  
Material: PA6, ABS  
Surface treatment contacts: passivated brass  
Operating temperature: -25 °C to +55 °C

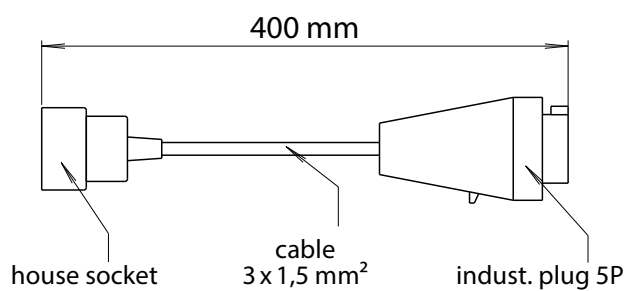
| Amp. | Poles | 110 V~<br>50/60 Hz | 230 V~<br>50/60 Hz | 400 V~<br>50/60 Hz | 500 V~<br>50/60 Hz | Pkg. (pcs.)   |
|------|-------|--------------------|--------------------|--------------------|--------------------|---------------|
|      |       | 4h                 | 3p=6h   4p+5p=9h   | 3p=9h   4p+5p=6h   | 7h                 |               |
| 16   | 3     |                    | 104986<br>(SA-3)   |                    |                    | - / 1 / - / - |
| 32*  | 3     |                    | 104989<br>(SA-4)   |                    |                    | - / 1 / - / - |

\* nominal current for 32 A industrial socket is 16 A.

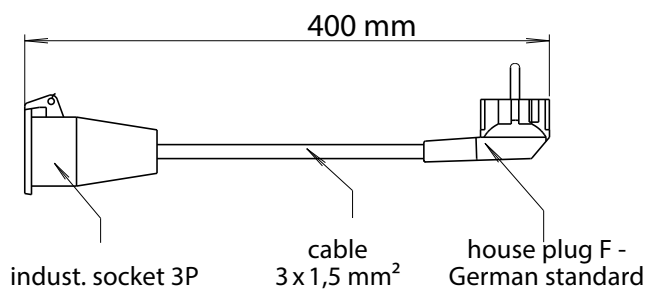
### Cable adapters IP20 indust. plug 3P -> house socket



### Cable adapters IP20 indust. plug 5P -> house socket



### Cable adapters IP20 house plug -> indust. socket 3P



## Switched interlocked sockets horizontal IP44 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



105057

Complies with standards: IEC 60309-1, -4  
STN EN 60309-1, -4  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz |               |
|------|-------|----------------------|----------------------|----------------------|--------------------|---------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                 |               |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                    | Pkg. (pcs.)   |
| 16   | 3     | 105040<br>(BZS 1631) | 105046<br>(BZS 1632) |                      |                    | 1 / 1 / - / - |
| 16   | 4     | 105041<br>(BZS 1641) | 105047<br>(BZS 1642) | 105053<br>(BZS 1643) |                    | 1 / 1 / 1 / - |
| 16   | 5     | 105042<br>(BZS 1651) | 105048<br>(BZS 1652) | 105054<br>(BZS 1653) |                    | 1 / 1 / 1 / - |
| 32   | 3     | 105043<br>(BZS 3231) | 105049<br>(BZS 3232) |                      |                    | 1 / 1 / - / - |
| 32   | 4     | 105044<br>(BZS 3241) | 105050<br>(BZS 3242) | 105056<br>(BZS 3243) |                    | 1 / 1 / 1 / - |
| 32   | 5     | 105045<br>(BZS 3251) | 105051<br>(BZS 3252) | 105057<br>(BZS 3253) |                    | 1 / 1 / 1 / - |

## Switched interlocked sockets horizontal IP67 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



105143

Complies with standards: IEC 60309-1, -4  
STN EN 60309-1, -4  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz   | 230 V~<br>50/60 Hz   | 400 V~<br>50/60 Hz   | 500 V~<br>50/60 Hz |             |
|------|-------|----------------------|----------------------|----------------------|--------------------|-------------|
|      |       | 4h                   | 3p=6h   4p+5p=9h     | 3p=9h   4p+5p=6h     | 7h                 |             |
| Amp. | Poles | Ord. No. (Type)      |                      |                      |                    | Pkg. (pcs.) |
| 16   | 3     | 105130<br>(BZG 1631) | 105136<br>(BZG 1632) |                      |                    | 1/ 1/ -/ -  |
| 16   | 4     | 105131<br>(BZG 1641) | 105137<br>(BZG 1642) | 105143<br>(BZG 1643) |                    | 1/ 1/ 1/ -  |
| 16   | 5     | 105132<br>(BZG 1651) |                      | 105144<br>(BZG 1653) |                    | 1/ -/ 1/ -  |
| 32   | 3     | 105133<br>(BZG 3231) | 105139<br>(BZG 3232) |                      |                    | 1/ 1/ -/ -  |
| 32   | 4     | 105134<br>(BZG 3241) | 105140<br>(BZG 3242) | 105146<br>(BZG 3243) |                    | 1/ 1/ 1/ -  |
| 32   | 5     | 105135<br>(BZG 3251) |                      | 105147<br>(BZG 3253) |                    | 1/ -/ 1/ -  |

## Switched interlocked sockets vertical IP44 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



105234

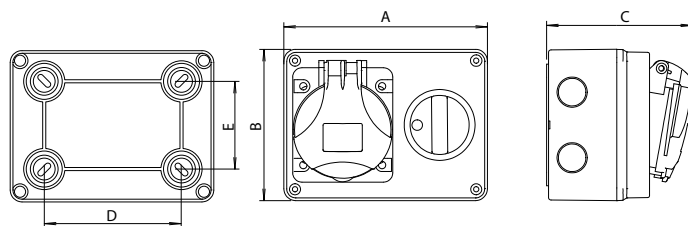
Complies with standards: IEC 60309-1, -4  
STN EN 60309-1, -4  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

|      |       | 110 V~<br>50/60 Hz    | 230 V~<br>50/60 Hz    | 400 V~<br>50/60 Hz    | 500 V~<br>50/60 Hz    |               |
|------|-------|-----------------------|-----------------------|-----------------------|-----------------------|---------------|
|      |       | 4h                    | 3p=6h   4p+5p=9h      | 3p=9h   4p+5p=6h      | 7h                    |               |
| Amp. | Poles | Ord. No. (Type)       |                       |                       |                       | Pkg. (pcs.)   |
| 16   | 3     | 105220<br>(BZS 1631v) | 105226<br>(BZS 1632v) |                       |                       | 1 / 1 / - / - |
| 16   | 4     | 105221<br>(BZS 1641v) | 105227<br>(BZS 1642v) | 105233<br>(BZS 1643v) | 105239<br>(BZS 1645v) | 1 / 1 / 1 / 1 |
| 16   | 5     | 105222<br>(BZS 1651v) | 105228<br>(BZS 1652v) | 105234<br>(BZS 1653v) | 105240<br>(BZS 1655v) | 1 / 1 / 1 / 1 |
| 32   | 3     | 105223<br>(BZS 3231v) | 105229<br>(BZS 3232v) |                       |                       | 1 / 1 / - / - |
| 32   | 4     | 105224<br>(BZS 3241v) | 105230<br>(BZS 3242v) | 105236<br>(BZS 3243v) | 105242<br>(BZS 3245v) | 1 / 1 / 1 / 1 |
| 32   | 5     | 105225<br>(BZS 3251v) | 105231<br>(BZS 3252v) | 105237<br>(BZS 3253v) | 105243<br>(BZS 3255v) | 1 / 1 / 1 / 1 |



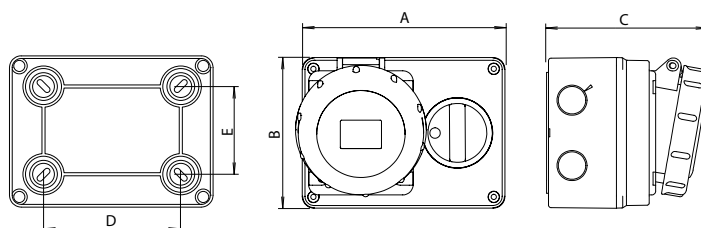
## Switched interlocked sockets horizontal IP44 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |       |     |    |
|-----|-------|------------------------|-----------------|-----|-------|-----|----|
|     |       |                        | A               | B   | C     | D   | E  |
| 16  | 3     | 105040, 105046         | 155             | 115 | 110,5 | 140 | 52 |
| 16  | 4     | 105041, 105047, 105053 | 155             | 115 | 110,5 | 140 | 52 |
| 16  | 5     | 105054                 | 158             | 118 | 129   | 112 | 72 |
|     |       | 105042, 105048         | 155             | 115 | 111,5 | 140 | 52 |
| 32  | 3     | 105043, 105049         | 155             | 115 | 122,5 | 140 | 52 |
| 32  | 4     | 105044, 105050, 105056 | 155             | 115 | 122,5 | 140 | 52 |
| 32  | 5     | 105057                 | 158             | 118 | 129   | 112 | 72 |
|     |       | 104045, 105051         | 155             | 115 | 123,5 | 140 | 52 |



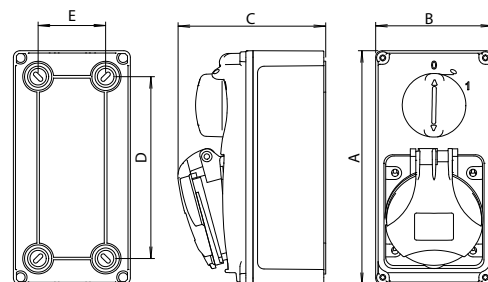
## Switched interlocked sockets horizontal IP67 - 16 A/32 A

| Amp | Poles | Ord. No.               | Dimensions (mm) |     |       |     |    |
|-----|-------|------------------------|-----------------|-----|-------|-----|----|
|     |       |                        | A               | B   | C     | D   | E  |
| 16  | 3     | 105130, 105136         | 155             | 115 | 111,5 | 140 | 52 |
| 16  | 4     | 105131, 105137, 105143 | 155             | 115 | 113,5 | 140 | 52 |
| 16  | 5     | 105132, 105144         | 155             | 115 | 113,5 | 140 | 52 |
| 32  | 3     | 105133, 105139         | 155             | 115 | 122,5 | 140 | 52 |
| 32  | 4     | 105134, 105140, 105146 | 155             | 115 | 122,5 | 140 | 52 |
| 32  | 5     | 105135, 105147         | 155             | 115 | 122,5 | 140 | 52 |



## Switched interlocked sockets vertical IP44 - 16 A/32 A

| Amp | Poles | Ord. No.                        | Dimensions (mm) |    |          |     |        |
|-----|-------|---------------------------------|-----------------|----|----------|-----|--------|
|     |       |                                 | A               | B  | C        | D   | E      |
| 16  | 3     | 105220, 150226                  | 180             | 90 | 109      | 140 | 52     |
| 16  | 4     | 105221, 105227, 105233, 105239* | 180             | 90 | 111/117* | 140 | 52/60* |
| 16  | 5     | 105222, 105228, 105234, 105240* | 180             | 90 | 113/118* | 140 | 52/60* |
| 32  | 3     | 105223, 105229                  | 180             | 90 | 116      | 140 | 52     |
| 32  | 4     | 105224, 105230, 105236, 105242* | 180             | 90 | 116/123* | 140 | 52/60* |
| 32  | 5     | 105225, 105231, 105237, 105243* | 180             | 90 | 118/124* | 140 | 52/60* |



## Switched interlocked sockets vertical IP67 - 16 A/32 A

- Screw contacts.
- 16 A - flexible/rigid conductors 1 - 2,5/1 - 4 mm<sup>2</sup>.
- 32 A - flexible/rigid conductors 2,5 - 6/2,5 - 10 mm<sup>2</sup>.



105324

Complies with standards: IEC 60309-1, -4  
STN EN 60309-1, -4  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 16   | 3     | 105310<br>(BZG 1631v)    | 105316<br>(BZG 1632v)                  |                                        |                          | 1 / 1 / - / - |
| 16   | 4     | 105311<br>(BZG 1641v)    | 105317<br>(BZG 1642v)                  | 105323<br>(BZG 1643v)                  | 105329<br>(BZG 1645v)    | 1 / 1 / 1 / 1 |
| 16   | 5     | 105312<br>(BZG 1651v)    | 105318<br>(BZG 1652v)                  | 105324<br>(BZG 1653v)                  | 105330<br>(BZG 1655v)    | 1 / 1 / 1 / 1 |
| 32   | 3     | 105313<br>(BZG 3231v)    | 105319<br>(BZG 3232v)                  |                                        |                          | 1 / 1 / - / - |
| 32   | 4     | 105314<br>(BZG 3241v)    | 105320<br>(BZG 3242v)                  | 105326<br>(BZG 3243v)                  | 105332<br>(BZG 3245v)    | 1 / 1 / 1 / 1 |
| 32   | 5     | 105315<br>(BZG 3251v)    | 105321<br>(BZG 3252v)                  | 105327<br>(BZG 3253v)                  | 105333<br>(BZG 3255v)    | 1 / 1 / 1 / 1 |

## Switched interlocked sockets vertical IP67 - 63 A

- Screw contacts.
- Flexible/rigid conductors 6 - 25/6 - 35 mm<sup>2</sup>.



105408

Complies with standards: IEC 60309-1, -4  
STN EN 60309-1, -4  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 63   | 3     | 105400<br>(BZG 6331v)    | 105403<br>(BZG 6332v)                  | 105406<br>(BZG 6333v)                  | 105409<br>(BZG 6335v)    | 1 / 1 / 1 / 1 |
| 63   | 4     | 105401<br>(BZG 6341v)    | 105404<br>(BZG 6342v)                  | 105407<br>(BZG 6343v)                  | 105410<br>(BZG 6345v)    | 1 / 1 / 1 / 1 |
| 63   | 5     | 105402<br>(BZG 6351v)    | 105405<br>(BZG 6352v)                  | 105408<br>(BZG 6353v)                  | 105411<br>(BZG 6355v)    | 1 / 1 / 1 / 1 |

## Switched interlocked sockets vertical IP67 - 125 A

- Screw contacts.
- Flexible/rigid conductors 16 - 50/16 - 70 mm<sup>2</sup>.



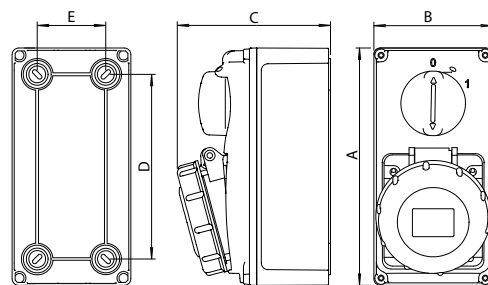
105458

Complies with standards: IEC 60309-1, -4  
STN EN 60309-1, -4  
Material: PA6, ABS  
Surface treatment contacts: nickel-plated brass  
Operating temperature: -25 °C to +55 °C

| Amp. | Poles | Ord. No. (Type)          |                                        |                                        |                          | Pkg. (pcs.)   |
|------|-------|--------------------------|----------------------------------------|----------------------------------------|--------------------------|---------------|
|      |       | 110 V~<br>50/60 Hz<br>4h | 230 V~<br>50/60 Hz<br>3p=6h   4p+5p=9h | 400 V~<br>50/60 Hz<br>3p=9h   4p+5p=6h | 500 V~<br>50/60 Hz<br>7h |               |
| 125  | 3     | 105450<br>(BZG 12531v)   | 105453<br>(BZG 12532v)                 |                                        | 105459<br>(BZG 12535v)   | 1 / 1 / - / 1 |
| 125  | 4     | 105451<br>(BZG 12541v)   | 105454<br>(BZG 12542v)                 | 105457<br>(BZG 12543v)                 | 105460<br>(BZG 12545v)   | 1 / 1 / 1 / 1 |
| 125  | 5     | 105452<br>(BZG 12551v)   | 105455<br>(BZG 12552v)                 | 105458<br>(BZG 12553v)                 | 105461<br>(BZG 12555v)   | 1 / 1 / 1 / 1 |

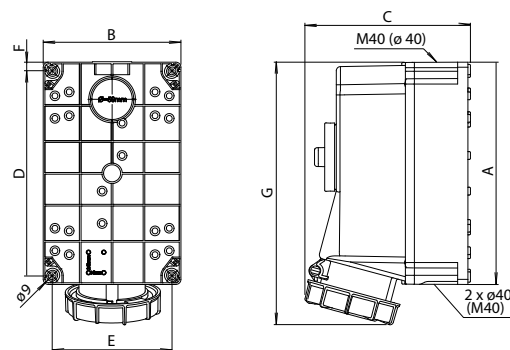
## Switched interlocked sockets vertical IP67 - 16 A/32 A

| Amp | Poles | Ord. No.                        | Dimensions (mm) |    |          |     |        |
|-----|-------|---------------------------------|-----------------|----|----------|-----|--------|
|     |       |                                 | A               | B  | C        | D   | E      |
| 16  | 3     | 105310, 105316,                 | 180             | 90 | 109      | 140 | 52     |
| 16  | 4     | 105311, 105317, 105323, 105329* | 180             | 90 | 112/117* | 140 | 50/60* |
| 16  | 5     | 105312, 105318, 105324, 105330* | 180             | 90 | 116/118* | 140 | 52/60* |
| 32  | 3     | 105313, 105319                  | 180             | 90 | 118      | 140 | 50     |
| 32  | 4     | 105314, 105320, 105326, 105332* | 180             | 90 | 118/123* | 140 | 52/60* |
| 32  | 5     | 105315, 105321, 105327, 105333* | 180             | 90 | 120/124* | 140 | 50/60* |



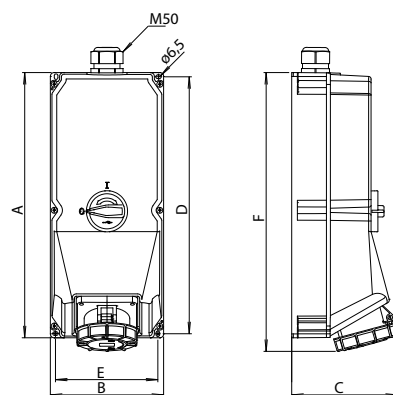
## Switched interlocked sockets vertical IP67 - 63 A

| Amp | Poles | Ord. No.                       | Dimensions (mm) |     |     |     |     |    |     |
|-----|-------|--------------------------------|-----------------|-----|-----|-----|-----|----|-----|
|     |       |                                | A               | B   | C   | D   | E   | F  | G   |
| 63  | 3     | 105400, 105403, 105406, 105409 | 262             | 162 | 195 | 240 | 140 | 11 | 310 |
| 63  | 4     | 105401, 105404, 105407, 105410 | 262             | 162 | 195 | 240 | 140 | 11 | 310 |
| 63  | 5     | 105402, 105405, 105408, 105411 | 262             | 162 | 195 | 240 | 140 | 11 | 310 |



## Switched interlocked sockets vertical IP67 - 125 A

| Amp | Poles | Ord. No.                       | Dimensions (mm) |     |     |     |     |     |
|-----|-------|--------------------------------|-----------------|-----|-----|-----|-----|-----|
|     |       |                                | A               | B   | C   | D   | E   | F   |
| 125 | 3     | 105450, 105453, 105459         | 520             | 222 | 208 | 505 | 201 | 547 |
| 125 | 4     | 105451, 105454, 105457, 105460 | 520             | 222 | 208 | 505 | 201 | 547 |
| 125 | 5     | 105452, 105455, 105458, 105461 | 520             | 222 | 208 | 505 | 201 | 547 |



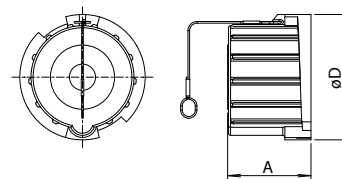
## Protection caps of inlets and plugs - IP67

- To ensure coverage unconnected sockets and plugs.
- Colour: grey.

|                          |                                     |
|--------------------------|-------------------------------------|
| Complies with standards: | IEC 60309-1, -2; STN EN 60309-1, -2 |
| Material:                | PC/ABS, ABS, PA6 (Ord. No. 105706)  |
| Operating temperature:   | -25 °C to +55 °C                    |



105701



| Amp | Poles   | Ord. No.             | Pkg. (pcs.) | Dimensions (mm) |      |             |
|-----|---------|----------------------|-------------|-----------------|------|-------------|
|     |         |                      |             | A               | ø D  | cord length |
| 16  | 3       | 105700 (ND 105-0757) | 1           | 39,5            | 60   | 250         |
| 16  | 4       | 105701 (ND 16CPG1)   | 1           | 39,5            | 68   | 250         |
| 16  | 5       | 105702 (ND 16CPG2)   | 10          | 40              | 80   | 220         |
| 32  | 3, 4    | 105703 (ND 32CPG1)   | 1           | 48              | 82   | 280         |
| 32  | 5       | 105704 (ND 32CPG2)   | 10          | 50              | 80   | 220         |
| 63  | 3, 4, 5 | 105705 (ND 63CPG1)   | 1           | 70,5            | 95,5 | 250         |
| 125 | 3, 4, 5 | 105706 (ND 125CPG1)  | 10          | 82              | 105  | 205         |

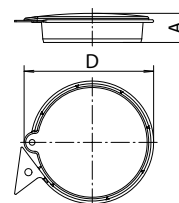
## Protection caps of inlets and plugs - IP44

- To ensure coverage unconnected sockets and plugs.
- Colour: grey.
- Protective caps can be fixed to the body of plugs and inlets with double-sided adhesive tape on the triangular part at the end of the detachable plastic cord. (except ord. No. 105720 - without plastic cord).

|                          |                                     |
|--------------------------|-------------------------------------|
| Complies with standards: | IEC 60309-1, -2; STN EN 60309-1, -2 |
| Material:                | ABS, TPE/PP (Ord. No. 105720)       |
| Operating temperature:   | -25 °C to +55 °C                    |



105721



| Amp | Poles | Ord. No.         | Pkg. (pcs.) | Dimensions (mm) |      |
|-----|-------|------------------|-------------|-----------------|------|
|     |       |                  |             | A               | D    |
| 16  | 3     | 105720 (KV 1632) | 1           | 15              | 56   |
| 16  | 4     | 105721 (KV 1643) | 1           | 16,1            | 54,7 |
| 16  | 5     | 105722 (KV 1653) | 1           | 16,2            | 62,1 |
| 32  | 3, 4  | 105723 (KV 3243) | 1           | 16,2            | 63,3 |
| 32  | 5     | 105724 (KV 3253) | 1           | 16,4            | 70   |

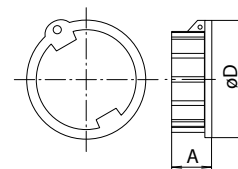
## Protection caps socket - IP67

- To ensure coverage unconnected sockets.
- Colour: grey.

|                          |                                     |
|--------------------------|-------------------------------------|
| Complies with standards: | IEC 60309-1, -2; STN EN 60309-1, -2 |
| Material:                | ABS                                 |
| Operating temperature:   | -25 °C to +55 °C                    |



105731



| Amp | Poles   | Ord. No.           | Pkg. (pcs.) | Dimensions (mm) |       |
|-----|---------|--------------------|-------------|-----------------|-------|
|     |         |                    |             | A               | ø D   |
| 16  | 4       | 105730 (ND 16CZG1) | 1           | 16,5            | 78    |
| 32  | 3, 4    | 105731 (ND 32CZG1) | 1           | 19,5            | 94    |
| 63  | 3, 4, 5 | 105732 (ND 63CZG1) | 1           | 22,5            | 111,5 |

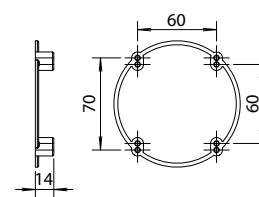
## Mounting frame with mounting spacing 60 x 60 mm or 60 x 70 mm

- For built-in sockets/inlets.
- For installation use a ø 4 mm screw for plastics.
- Ord. No. 105760 for: 104076, 104083, 104084, 104079, 104085, 104087, 104174, 104177, 104264, 104267, 104310 až 104315, 104329 až 104333, 104400, 104402, 104404 až 104406, 104408, 104410, 104411, 104414, 104416, 104417.

|                          |                                     |
|--------------------------|-------------------------------------|
| Complies with standards: | IEC 60309-1, -2; STN EN 60309-1, -2 |
| Material:                | PA6                                 |
| Operating temperature:   | -25 °C to +55 °C                    |



105760

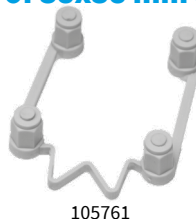


| Ord. No.             | Pkg. (pcs.) | For separation (mm) |
|----------------------|-------------|---------------------|
| 105760 (ND 105-2177) | 200         | 60 x 60 / 60 x 70   |

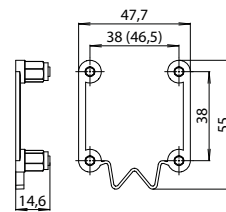
## Dual mounting frame with a mounting spacing of 38x38 mm and 38 x46,5 mm.

- For built-in sockets/inlets
- For installation use a  $\varnothing 4$  mm screw for plastics.
- For Ord.No. 103750 to 103763 and 103830, 103790, 103792.

Complies with standards: IEC 60309-1, -2; STN EN 60309-1, -2  
Material: PC/ABS, ABS, PA6 (Ord. No. 105706)  
Operating temperature: -25 °C to +55 °C



105761



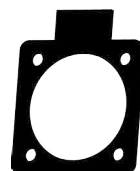
| Ord. No.             | Pkg. (pcs.) |
|----------------------|-------------|
| 105761 (ND 105-2677) | 100         |

| For spacing (mm) |
|------------------|
| 38 x 38          |

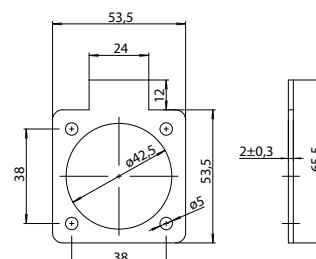
## Seal IP54 for house sockets

- To be used for house sockets mounting on uneven surfaces for IP 54.

Complies with standards: IEC 60309-1, -2; STN EN 60309-1, -2  
Material: rubber  
Operating temperature: -25 °C to +55 °C



105770



| Ord. No.             | Pkg. (pcs.) |
|----------------------|-------------|
| 105770 (ND 143-0245) | 20          |

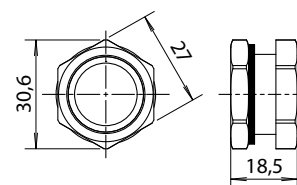
## Connecting gland with Pg16 thread

- For connecting wall sockets with on wall box, ord. No 102347 to 102361.

Complies with standards: IEC 60309-1, -2; STN EN 60309-1, -2  
Material: ABS  
Operating temperature: -25 °C to +55 °C



105780



| Ord. No.        | Pkg. (pcs.) |
|-----------------|-------------|
| 105780 (SPg 16) | 1           |

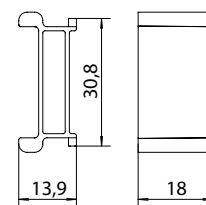
## Connecting part PR 10

- For connecting wall sockets with on wall box, ord. No 102257 to 102271.

Complies with standards: IEC 60309-1, -2; STN EN 60309-1, -2  
Material: ABS  
Operating temperature: -25 °C to +55 °C



105790

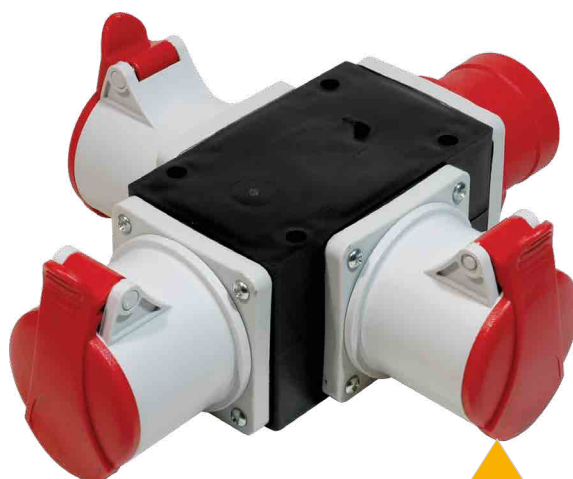


| Ord. No.       | Pkg. (pcs.) |
|----------------|-------------|
| 105790 (PR 10) | 100         |





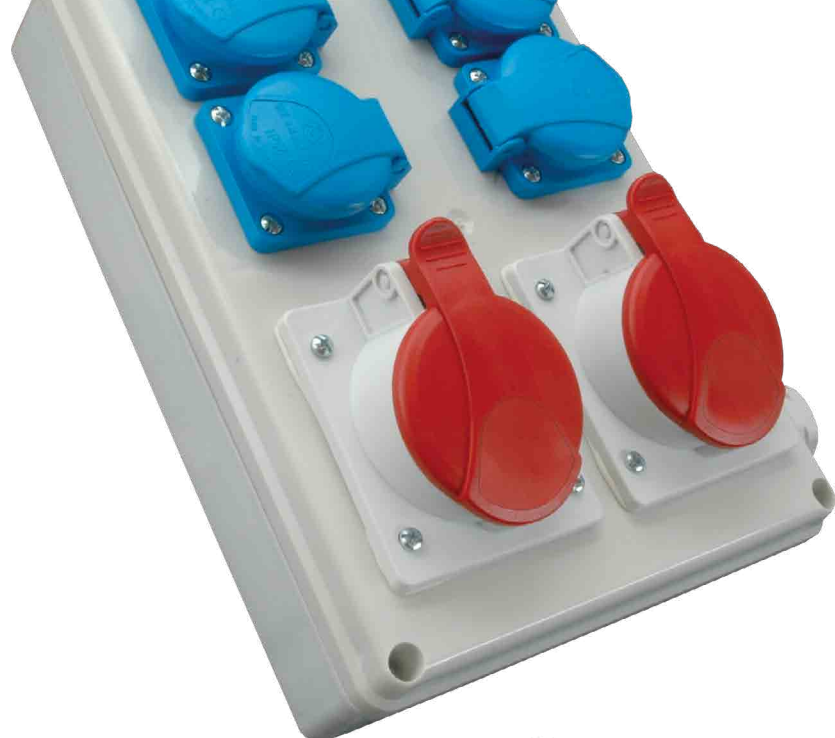
This image shows a full page of blank, lined paper. The paper is white and features evenly spaced, light gray horizontal lines running across its entire width. There are no margins, text, or other markings on the page.



## DISTRIBUTION BOXES

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## Distribution boxes

Distribution boxes belong to the group of low voltage covered distributors according to STN EN 61439-3, -1, operable also by unqualified persons (referred to as DBO). They may be used at building sites, in residential buildings, houses and industrial zones.

They are designed to be mounted mainly on vertical wall, but may also be used as portable (the handle is placed in the upper part of the distribution box), or are fixed to a metal frame stand. The current standard catalog offer contains more than 600 types and combinations of ROS, which are designed for both internal and external use within the temperature range from -25 °C to +55 °C. Distribution boxes do not require any maintenance after installation.

### OVERVIEW OF DISTRIBUTION BOXES

- ROS Mini – 8, 4 and 0-modules distribution boxes IP44
- ROSP, ROSPG – Distribution boxes Micro IP54 and IP67
  - Distribution boxes Micro with switch IP44
  - VPS – Inlets with switch IP44
- ROP – Compact distribution boxes with straight inlet IP44
  - ROS 4 – 4-modules distribution boxes IP44
  - ROS-4/V – Distribution boxes with switch IP44
- ROS 6, ROS 7, ROS 11 – 6, 7 and 11-modules distribution boxes IP54
  - ROS M6 – 6- modules distribution boxes IP54 and IP65
  - ROS 16 – 16-modules distribution boxes IP54 and IP66
  - ROS 11S – 11-modules distribution boxes on stand IP54
- ROS 12SD – 12-modules portable distribution boxes with handle IP44
  - ROS 12S, ROS 24S – 12 and 24-modules distribution boxes on stand IP54 and IP65

Distribution boxes can be equipped with single-phase and three-phase MCBs, RCCBs, terminal blocks, sealing glands, industrial three-phase inlets or plugs with connecting cable and sockets 16 A, 32 A and 63 A. They also allow the installation of a single-phase or three-phase one-tariff electricity meter mounted on a DIN rail.

### BASIC SPECIFICATION

The housings are resistant to excessive heat and burning (650 °C glow wire test) and are molded from plastics with mechanical resistance in the range of IK08, IK09, IK10. Distribution boxes can be mounted on materials of Class A1 and A2,

Distribution boxes are supplied in the following specifications:

- degree of protection: IP44, IP54, IP65, IP66, IP67
  - nominal current InA: 16 A, 32 A or 63 A
- nominal working voltage Un: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK06, IK07, IK08, IK09, IK10

The power supply cable may only be installed by an appropriately qualified person. Distribution boxes are equipped with breakers of the rupturing capacity of 10 kA.

Regarding fusing outside of the distribution box it is recommended to use the MCB with breaking capacity of 10 kA and with the current value equivalent to the current InA stated on the distribution box label.

We also offer distribution boxes fitted with MCB window but without MCBs, fully pre-wired to connect own MCBs of a specific brand according to customer's preferences and in accordance with the recommended and enclosed electrical connection scheme.

### WE DISTINGUISH SWITCHBOARDS WITHOUT MCBs, RCCBs AS FOLLOWS:

#### Fully pre-wired distribution boxes - sign „/x“

Distribution box without the circuit breakers, yet fully equipped with wires to connect the circuit breakers according to the recommended and attached connection scheme. The socket outlets are wired separately for particular connection to the individual circuit breakers and also to the N and PE bridges. Circuit breakers must be used.

#### Economically pre-wired distribution boxes - sign „/A“

(e.g. 200060 ROS-I 1601 A)

Protected distribution box without the circuit breakers with prepared wires to connect the circuit breakers according to the recommended and attached connection scheme. The socket outlets are not wired separately for particular connection to the individual circuit breakers, they are looped together. Circuit breakers must be used.

Portable distribution boxes ROS 12S and ROS 24S are characterized by a robust construction. Mechanical resistance of the housing is IK 10 and boxes are produced from glass fiber reinforced polyester. Distribution boxes fitted with 4-pole sockets are determined for symmetrical loads only.

### INDIVIDUAL CONFIGURATION OF DISTRIBUTION BOXES

Except of distribution boxes in the catalog which are most commonly used in practice we are able to supply the any other atypical designs in acceptable combinations according to the customer's individual specifications.



## ROS MINI – 8, 4 AND 0 -MODULES DISTRIBUTION BOXES IP44

Suitable for the connecting of 3-phase and 1-phase electrical appliances. The above types of distribution boxes without handle have been designed to be part of fixed wiring only, with handle as part of mobile wiring. The inlet terminal board is dimensioned for the power supply cable of the maximum of 5 x 4 mm<sup>2</sup>, the power supply cable must be protected for the nominal current value showed on the label.

- degree of protection: IP44
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK10

## ROSP, ROSPG – DISTRIBUTION BOXES MICRO IP54 AND IP67

Suitable for the connection of 3-phase as well as 1-phase devices.

32 A variants are supplied with 2 x tube fuse F10 A/250 V for protection for single-phase socket. Distribution boxes with handle have been designed to be part of mobile wiring. There is a possibility to use it in exterior as well as interior environment, block of flats and houses, building sites and also in industrial zones.

Box contains cable gland Pg16 for 16 A and Pg21 for 32 A.

- degree of protection: IP 54, IP 67
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK10

## VZS – DISTRIBUTION BOXES MICRO WITH SWITCH IP44

Suitable for connection if 3-phase and 1-phase electric devices with possibility to switch of by switch

32 A/4P/5P. 32 A variants are supplied along with tube fuse F10H/250V and protection of 1-phase socket.

- degree of protection: IP44
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK10

## VPS – INLETS WITH SWITCH IP44

They are designed for supplying electric current through an extension cable to 3-phase 16 A and 32 A machines and devices (circular saws, mixers, etc.) with the possibility of switching off the device by a supplied 16 A / 5P or 32 A / 5P switch.

- degree of protection: IP44
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK10

## ROP – COMPACT DISTRIBUTION BOXES WITH STRAIGHT INLET IP44

A series of compact distribution boxes with IP44 protection. They are equipped with a straight industrial inlet 16 A / 32 A / 5P / 4P / 400 V at the input. They offer a wide combination of the three available outputs and the offer includes 2 types in 32 A and 8 types in 16 A power. These compact distribution boxes with an inlet can

be used both outdoors and indoors, in residential buildings and houses, on construction sites and also in industrial plants.

- degree of protection: IP44
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK06

## ROS 4 – 4-MODULES DISTRIBUTION BOXES IP44

They represent a group of compact distribution boxes, which are suitable for connecting of three-phase and single-phase electrical appliances with the possibility of protection. Possibility of use in exterior and interior, in residential buildings and houses, on construction sites and also in industrial plants. They are produced in versions as protected and without MCBs, but fully pre-wired.

- degree of protection: IP44
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK08

## ROS-4/V – DISTRIBUTION BOXES WITH SWITCH IP44

Suitable for connection if 3-phase and 1-phase electric devices with possibility to switch of by switch- 32A variants are supplied along with tube fuse F10 A/250V and protection of 1-phase socket. There is a possibility to use it in exterior as well as interior environment, block of flats and houses, building sites and also in industrial zones. Box contains cable gland for sealing input cable.

- degree of protection: IP44
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK08

## ROS 6, ROS 7, ROS 11 – 6, 7 AND 11-MODULES DISTRIBUTION BOXES IP54

### Protected

The recommended distribution box input cable is 5 x 6 mm<sup>2</sup> and it must be connected via a three-phase 32A breaker parameter C. Individual types are equipped with three-phase and single-phase sockets, breakers, and cable gland M32.

### Without MCBs, fully pre-wired

The recommended distribution box input cable is 5x6 mm<sup>2</sup>, the maximum total current stated on the label. The power input cable must be connected as follows: connect phase conductors via the breaker, which will be mounted by users themselves according to their own choice, to the inlet terminal board, the size of the breakers must be sufficient to enable protection with respect to the maximum current stated on the label. Connect PE and N conductors directly to inlet terminal.

- the maximum total current: 32 A
- degree of protection: IP 54
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50 Hz
- mechanical resistance of boxes: IK 10

Types with a current protector are provided in sizes ROS 6 and ROS 11. They are normally equipped with a current protector for the fault current  $I_{\Delta n} \leq 30$  mA.



## ROS M6 – 6-MODULES DISTRIBUTION BOXES IP54 AND IP65

The distribution box cover is pressed from halogen free thermoplastic. Distribution boxes have been designed for both internal and external use within the temperature range from – 25°C to + 40°C. The power supply cable may only be installed by an appropriately qualified person. They are all supplied in the following specifications:

- degree of protection: IP54 or IP65
- nominal current: 16 A, 32 A, 63 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK09
- doubled insulation

## ROS 16 – 16-MODULES DISTRIBUTION BOXES IP54 AND IP66

- Protected MCB/RCCB.
- Unprotected - pre-wired.
- ROS 16/FI - Standard = distribution boxes are fully equipped with the necessary MCBs and RCCBs.
- ROS 16/I - Economic = basic number MCBs.
- ROS 16/x - Unprotected = without MCBs, precabling ready for installation MCBs according to the Standard version.

### Benefits:

- The most compact design in 16 modules series of distribution boxes on the market (H x W x D = 450 x 328 x 136 mm) with ergonomically sloped surface.
- Available in combinations with CEE 63 A sockets, 63 A main switch or 63 A panel plug for mutual looping facility of more ROS 16 on the site.
- 63 standard combinations kept on stock and over 2400 combinations of inlets, outlets and MCB/RCCB protection available on request.
- Suitable for construction sites, industrial distributions and residential buildings.

### PARAMETERS:

- Low voltage distribution on-wall boxes from highly durable ABS material with extra thick walls (4 mm),
  - Mechanical resistance of boxes: IK10
  - MCB/RCCB-protected
  - Non-protected – pre-wired
  - Pre-injected recessed circles for cable glands M25; M32; M40; M50
- Self extinguishing: 650 °C - resistant against overheating and burning
- Ingress protection degree available in IP54 and IP66
  - In compliance with EN 61439-1, -3

## ROS 11S – 11-MODULES DISTRIBUTION BOXES ON STAND IP54

Portable distribution boxes are designed mainly for internal and external use. They are offered with an M32 gland for connecting the supply cable, or with a supply cable with a length of 2 m and a plug 32 A / 5P / 400 V. They are all supplied in the following specifications:

- degree of protection: IP54
- nominal current: 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK10

## ROS 12SD – 12-MODULES PORTABLE DISTRIBUTION BOXES WITH HANDLE IP4

Suitable for the connection of 3-phase as well as 1-phase consumers. Distribution box with handle have been designed to be part of mobile wiring. There is a possibility to use it in exterior as well as interior environment, block of flats and houses, building sites and also in industrial zones. They are equipped by MCBs as well as current RCCBs.

Dimensions (mm) 194 x 384 x 230 (width x height x depth)

- degree of protection: IP44
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50/60 Hz
- mechanical resistance of boxes: IK08

## ROS 12S, ROS 24S – 12 AND 24-MODULES DISTRIBUTION BOXES ON STAND IP54 AND IP65

The group includes two distribution boxes and option of modular superstructures with a maximum of 12 or 24 modules with 63 A three-phase switch. The distribution box cover is pressed from polyester and strengthened by glass fibre. Distribution boxes have been designed for external use. They are all supplied in the following specifications:

- degree of protection: IP 54, IP 65
- nominal current: 16 A, 32 A
- nominal working voltage: 400 V~, 250 V~, 50 Hz
- mechanical resistance of boxes: IK 10
- resistance to pressure: 200 N/mm<sup>2</sup>
- heat and combustion resistance: UL94: V0.

The input cable may only be installed by an appropriately qualified person. Portable distribution boxes with a holder can be equipped with breakers, current protector 16 A, 32 A sockets. We offer four-pole and five-pole modifications with predefined fitting of devices in two sizes of the boxes. Portable distribution boxes with a holder can be used where the connection of more devices with 32 A and 16 A electricity use is needed to the distribution board while being protected.

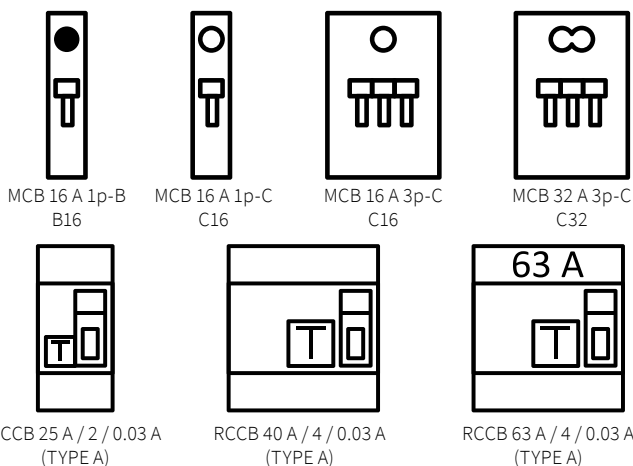
### NOTE:

In the column Order No. (Type) the affix "/S" means - sockets 250 V/16 A type F – German standard

### Example:

202024 (ROS 11/FI-31) - 250 V/ 16 A sockets type E - French standard  
202025 (ROS 11/FI-31/S) - 250 V/ 16 A sockets type F - German standard

### Used brands of circuit MCBs and RCCB



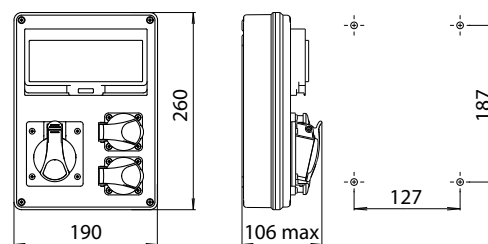
## Mini distribution boxes ROS 8 IP44 with RCCB

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 260 x 190 x 106 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP44  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



200002



| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                                                                        |                                    | Connection                     | InA      | Pkg (pcs.) |
|--------------------------|--------|--------------|------|--------------|------|---------|----------|-----------------------------------------------------------------------------------|------------------------------------|--------------------------------|----------|------------|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                                                                              | MCBs                               |                                |          |            |
| 200000 (ROS-FI 1600/C)   |        | -            | -    | -            | -    | 6       | -        | 1xRCCB 40 A/4/0,03 A (Type A)<br>Only 250 V/16 A sockets are connected with RCCB. | 3xMCB 16 A 1P-C                    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 16 A | 1          |
| 200001 (ROS-FI 1600/C/S) |        | -            | -    | -            | -    | -       | 6        |                                                                                   |                                    |                                |          |            |
| 200002 (ROS-FI 1603)     |        | -            | 1    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A)                                                     | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1          |
| 200003 (ROS-FI 1603/S)   |        | -            | -    | -            | -    | -       | 2        |                                                                                   |                                    |                                |          |            |
| 200004 (ROS-FI 3203)     |        | 1            | -    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A)                                                     | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1          |
| 200005 (ROS-FI 3203/S)   |        | -            | -    | -            | -    | -       | 2        |                                                                                   |                                    |                                |          |            |
| 200006 (ROS-FI 1602/C)   |        | -            | -    | -            | 1    | 2       | -        | 1xRCCB 25 A/2/0,03 A (Type A)<br>Only 250 V/16 A sockets are connected with RCCB. | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1          |
| 200007 (ROS-FI 1602/C/S) |        | -            | -    | -            | -    | -       | 2        |                                                                                   |                                    |                                |          |            |
| 200008 (ROS-FI 3202/C)   |        | -            | -    | 1            | -    | 2       | -        | 1xRCCB 25 A/2/0,03 A (Type A)<br>Only 250 V/16 A sockets are connected with RCCB. | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1          |
| 200009 (ROS-FI 3202/C/S) |        | -            | -    | -            | -    | -       | 2        |                                                                                   |                                    |                                |          |            |

InA = Rated current of switchgear and control gear assembly

## Mini distribution boxes ROS 8 IP44 without MCBs, economically pre-wired

- Distribution boxes without MCBs, other product features identical to **Mini distribution boxes ROS 8 IP44 with RCCBs**.

| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                       | InA      | Pkg (pcs.) |
|--------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------|----------------------------------|----------|------------|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                                  |          |            |
| 200020 (ROS-FI 1600 A)   |        | -            | -    | -            | -    | 6       | -        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA 16 A | 1          |
| 200021 (ROS-FI 1600 A/S) |        | -            | -    | -            | -    | -       | 6        |            |      |                                  |          |            |

InA = Rated current of switchgear and control gear assembly

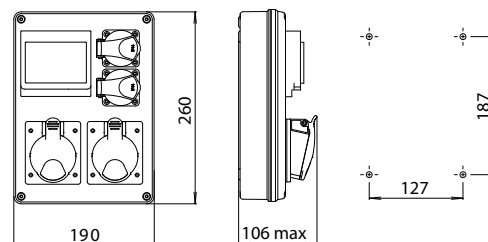
## Mini distribution boxes ROS 4 IP44 protected

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 260 x 190 x 106 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200038



| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |                                    | Connection                     | InA         | Pkg (pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|------------|------------------------------------|--------------------------------|-------------|------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs                               |                                |             |            |
| 200030 (ROS-I 1601)   |        | -            | 2    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200031 (ROS-I 1601/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200032 (ROS-I 1603)   |        | 1            | 1    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200033 (ROS-I 1603/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200034 (ROS-I 3201)   |        | 2            | -    | -            | -    | 2       | -        | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200035 (ROS-I 3201/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200036 (ROS-I 1600)   |        | -            | -    | -            | 2    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200037 (ROS-I 1600/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200038 (ROS-I 1602)   |        | -            | -    | 1            | 1    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200039 (ROS-I 1602/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200040 (ROS-I 3200)   |        | -            | -    | 2            | -    | 2       | -        | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200041 (ROS-I 3200/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |

InA = Rated current of switchgear and control gear assembly

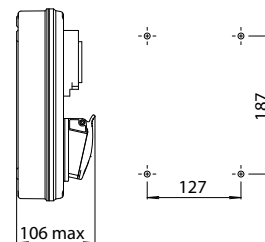
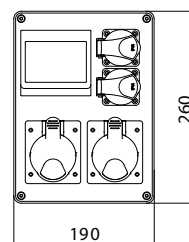
## Mini distribution boxes ROS 8 IP44 without MCBs, economically pre-wired

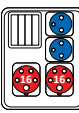
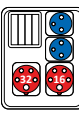
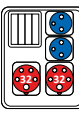
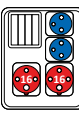
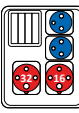
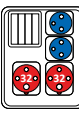
- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 260 x 190 x 106 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200066



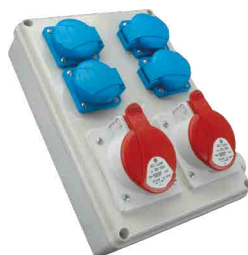
| Ord. No. (Type)         | Layout                                                                              | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                     | InA         | Pkg (pcs.) |
|-------------------------|-------------------------------------------------------------------------------------|--------------|------|--------------|------|---------|----------|------------|------|--------------------------------|-------------|------------|
|                         |                                                                                     | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                                |             |            |
| 200060 (ROS-I 1601 A)   |    | -            | 2    | -            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200061 (ROS-I 1601 A/S) |                                                                                     | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200062 (ROS-I 1603 A)   |    | 1            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200063 (ROS-I 1603 A/S) |                                                                                     | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200064 (ROS-I 3201 A)   |    | 2            | -    | -            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200065 (ROS-I 3201 A/S) |                                                                                     | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200066 (ROS-I 1600 A)   |   | -            | -    | -            | 2    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200067 (ROS-I 1600 A/S) |                                                                                     | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200068 (ROS-I 1602 A)   |  | -            | -    | 1            | 1    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200069 (ROS-I 1602 A/S) |                                                                                     | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200070 (ROS-I 3200 A)   |  | -            | -    | 2            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200071 (ROS-I 3200 A/S) |                                                                                     | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |

InA = Rated current of switchgear and control gear assembly

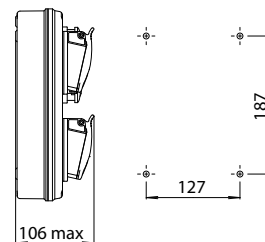
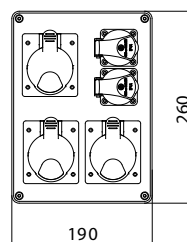
## Mini distribution boxes ROS unprotected

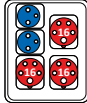
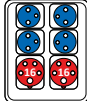
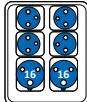
- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 260 x 190 x 106 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200084



| Ord. No. (Type)     | Layout                                                                              | CEE 400 V 5P         |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection           | InA         | Pkg (pcs.) |
|---------------------|-------------------------------------------------------------------------------------|----------------------|------|--------------|------|---------|----------|------------|------|----------------------|-------------|------------|
|                     |                                                                                     | 32 A                 | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                      |             |            |
| 200080 (ROS 1601)   |    | -                    | 4    | -            | -    | -       | -        | -          | -    | 5 x 2,5 mm²<br>Pg 16 | InA<br>16 A | 1          |
| 200082 (ROS 1603)   |    | -                    | 3    | -            | -    | 2       | -        | -          | -    | 5 x 2,5 mm²<br>Pg 21 | InA<br>16 A | 1          |
| 200083 (ROS 1603/S) |                                                                                     |                      |      |              |      | -       | 2        |            |      |                      |             |            |
| 200084 (ROS 1605)   |    | -                    | 2    | -            | -    | 4       | -        | -          | -    | 5 x 2,5 mm²<br>Pg 21 | InA<br>16 A | 1          |
| 200085 (ROS 1605/S) |                                                                                     |                      |      |              |      | -       | 4        |            |      |                      |             |            |
| 200086 (ROS 1607)   |   | 2x CEE 230 V 16 A 3P |      |              |      | 4       | -        | -          | -    | 5 x 2,5 mm²<br>Pg 16 | InA<br>16 A | 1          |
| 200087 (ROS 1607/S) |                                                                                     |                      |      |              |      | -       | 4        |            |      |                      |             |            |
| 200088 (ROS 3201)   |  | 4                    | -    | -            | -    | -       | -        | -          | -    | 5 x 4 mm²<br>Pg 21   | InA<br>32 A | 1          |
| 200090 (ROS 1600)   |  | -                    | -    | -            | 4    | -       | -        | -          | -    | 4 x 2,5 mm²<br>Pg 16 | InA<br>16 A | 1          |
| 200092 (ROS 1602)   |  | -                    | -    | -            | 3    | 2       | -        | -          | -    | 5 x 2,5 mm²<br>Pg 21 | InA<br>16 A | 1          |
| 200093 (ROS 1602/S) |                                                                                     |                      |      |              |      | -       | 2        |            |      |                      |             |            |
| 200094 (ROS 1604)   |  | -                    | -    | -            | 2    | 4       | -        | -          | -    | 5 x 2,5 mm²<br>Pg 21 | InA<br>16 A | 1          |
| 200095 (ROS 1604/S) |                                                                                     |                      |      |              |      | -       | 4        |            |      |                      |             |            |
| 200096 (ROS 3200)   |  | -                    | -    | 4            | -    | -       | -        | -          | -    | 4 x 4 mm²<br>Pg 21   | InA<br>32 A | 1          |

InA = Rated current of switchgear and control gear assembly

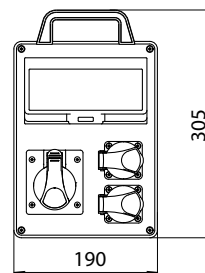
## Mini distribution boxes ROS 8 IP44 with RCCB, handle

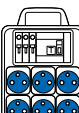
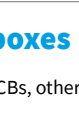
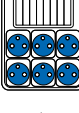
- Distribution boxes with handle have been designed to be part of mobile wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 305 x 190 x 106 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200120

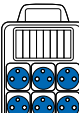


| Ord. No. (Type)            | Layout                                                                              | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                                                                        |                                    | Connection                     | InA      | Pkg (pcs.) |
|----------------------------|-------------------------------------------------------------------------------------|--------------|------|--------------|------|---------|----------|-----------------------------------------------------------------------------------|------------------------------------|--------------------------------|----------|------------|
|                            |                                                                                     | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                                                                              | MCBs                               |                                |          |            |
| 200120 (ROS-FI 1600 D/C)   |    | -            | -    | -            | -    | 6       | -        | 1xRCCB 40 A/4/0,03 A (Type A)<br>Only 250 V/16 A sockets are connected with RCCB. | 3xMCB 16 A 1P-C                    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 16 A | 1          |
| 200121 (ROS-FI 1600 D/C/S) |    | -            | -    | -            | -    | -       | 6        |                                                                                   |                                    |                                |          |            |
| 200122 (ROS-FI 1603 D)     |    | -            | 1    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A)                                                     | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1          |
| 200123 (ROS-FI 1603 D/S)   |   | -            | -    | -            | -    | -       | 2        |                                                                                   |                                    |                                |          |            |
| 200124 (ROS-FI 3203 D)     |  | 1            | -    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A)                                                     | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1          |
| 200125 (ROS-FI 3203 D/S)   |  | -            | -    | -            | -    | -       | 2        |                                                                                   |                                    |                                |          |            |
| 200126 (ROS-FI 1602 D/C)   |  | -            | -    | -            | 1    | 2       | -        | 1xRCCB 25 A/2/0,03 A (Type A)<br>Only 250 V/16 A sockets are connected with RCCB. | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1          |
| 200127 (ROS-FI 1602 D/C/S) |  | -            | -    | -            | -    | -       | 2        |                                                                                   |                                    |                                |          |            |
| 200128 (ROS-FI 3202 D/C)   |  | -            | -    | 1            | -    | 2       | -        | 1xRCCB 25 A/2/0,03 A (Type A)<br>Only 250 V/16 A sockets are connected with RCCB. | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1          |
| 200129 (ROS-FI 3202 D/C/S) |  | -            | -    | -            | -    | -       | 2        |                                                                                   |                                    |                                |          |            |

InA = Rated current of switchgear and control gear assembly

## Mini distribution boxes ROS 8 IP44 without MCBs, economically pre-wired, handle

- Distribution boxes without MCBs, other product features identical to Mini distribution boxes ROS 8 IP44 with RCCB, handle

| Ord. No. (Type)            | Layout                                                                              | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                       | InA      | Pkg (pcs.) |
|----------------------------|-------------------------------------------------------------------------------------|--------------|------|--------------|------|---------|----------|------------|------|----------------------------------|----------|------------|
|                            |                                                                                     | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                                  |          |            |
| 200140 (ROS-FI 1600 D/A)   |  | -            | -    | -            | -    | 6       | -        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA 16 A | 1          |
| 200141 (ROS-FI 1600 D/A/S) |                                                                                     | -            | -    | -            | -    | -       | 6        |            |      |                                  |          |            |

InA = Rated current of switchgear and control gear assembly



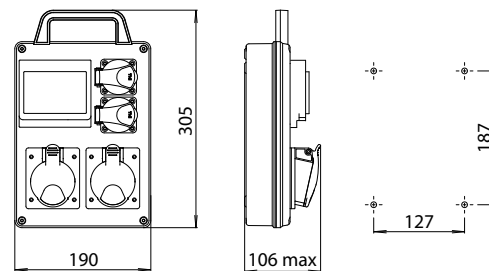
### Mini distribution boxes ROS 4 IP44 protected, handle

- Distribution boxes with handle have been designed to be part of mobile wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 305 x 190 x 106 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200162



| Ord. No. (Type)         | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |                                    | Connection                     | InA         | Pkg (pcs.) |
|-------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------------------------------------|--------------------------------|-------------|------------|
|                         |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs                               |                                |             |            |
| 200160 (ROS-I 1601 D)   |        | -            | 2    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200161 (ROS-I 1601 D/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200162 (ROS-I 1603 D)   |        | 1            | 1    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200163 (ROS-I 1603 D/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200164 (ROS-I 3201 D)   |        | 2            | -    | -            | -    | 2       | -        | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200165 (ROS-I 3201 D/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200166 (ROS-I 1600 D)   |        | -            | -    | -            | 2    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200167 (ROS-I 1600 D/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200168 (ROS-I 1602 D)   |        | -            | -    | 1            | 1    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200169 (ROS-I 1602 D/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |
| 200170 (ROS-I 3200 D)   |        | -            | -    | 2            | -    | 2       | -        | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200171 (ROS-I 3200 D/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                              | -           | -          |

InA = Rated current of switchgear and control gear assembly

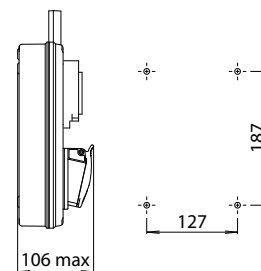
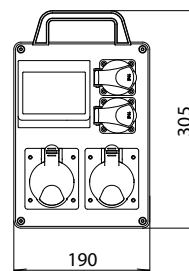
### Mini distribution boxes ROS 8 IP44 without MCBs, economically pre-wired, handle

- Distribution boxes with handle have been designed to be part of mobile wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 305 x 190 x 106 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200192



| Ord. No. (Type)           | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                     | InA         | Pkg (pcs.) |
|---------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------|--------------------------------|-------------|------------|
|                           |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                                |             |            |
| 200190 (ROS-I 1601 D/A)   |        | -            | 2    | -            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200191 (ROS-I 1601 D/A/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200192 (ROS-I 1603 D/A)   |        | 1            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200193 (ROS-I 1603 D/A/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200194 (ROS-I 3201 D/A)   |        | 2            | -    | -            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200195 (ROS-I 3201 D/A/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200196 (ROS-I 1600 D/A)   |        | -            | -    | -            | 2    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200197 (ROS-I 1600 D/A/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200198 (ROS-I 1602 D/A)   |        | -            | -    | 1            | 1    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200199 (ROS-I 1602 D/A/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |
| 200200 (ROS-I 3200 D/A)   |        | -            | -    | 2            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21 | InA<br>32 A | 1          |
| 200201 (ROS-I 3200 D/A/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                              | -           | -          |

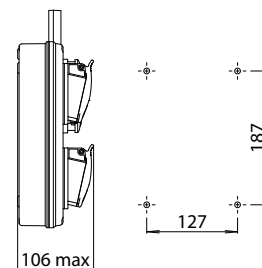
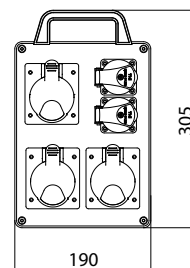
InA = Rated current of switchgear and control gear assembly



### Mini distribution boxes ROS unprotected, handle

- Distribution boxes with handle have been designed to be part of mobile wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 305 x 190 x 106 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200224

| Ord. No. (Type)       | Layout | CEE 400 V 5P         |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                       | InA         | Pkg (pcs.) |
|-----------------------|--------|----------------------|------|--------------|------|---------|----------|------------|------|----------------------------------|-------------|------------|
|                       |        | 32 A                 | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                                  |             |            |
| 200220 (ROS 1601 D)   |        | -                    | 4    | -            | -    | -       | -        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA<br>16 A | 1          |
| 200222 (ROS 1603 D)   |        | -                    | 3    | -            | -    | 2       | -        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA<br>16 A | 1          |
| 200223 (ROS 1603 D/S) |        | -                    | 3    | -            | -    | -       | 2        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA<br>16 A | 1          |
| 200224 (ROS 1605 D)   |        | -                    | 2    | -            | -    | 4       | -        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA<br>16 A | 1          |
| 200225 (ROS 1605 D/S) |        | -                    | 2    | -            | -    | -       | 4        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA<br>16 A | 1          |
| 200226 (ROS 1607 D)   |        | 2x CEE 230 V 16 A 3P |      |              |      | 4       | -        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA<br>16 A | 1          |
| 200227 (ROS 1607 D/S) |        |                      |      |              |      | -       | 4        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA<br>16 A | 1          |
| 200228 (ROS 3201 D)   |        | 4                    | -    | -            | -    | -       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA<br>32 A | 1          |
| 200230 (ROS 1600 D)   |        | -                    | -    | -            | 4    | -       | -        | -          | -    | 4 x 2,5 mm <sup>2</sup><br>Pg 16 | InA<br>16 A | 1          |
| 200232 (ROS 1602 D)   |        | -                    | -    | -            | 3    | 2       | -        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA<br>16 A | 1          |
| 200233 (ROS 1602 D/S) |        | -                    | -    | -            | 3    | -       | 2        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA<br>16 A | 1          |
| 200234 (ROS 1604 D)   |        | -                    | -    | -            | 2    | 4       | -        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA<br>16 A | 1          |
| 200235 (ROS 1604 D/S) |        | -                    | -    | -            | 2    | -       | 4        | -          | -    | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA<br>16 A | 1          |
| 200236 (ROS 3200 D)   |        | -                    | -    | 4            | -    | -       | -        | -          | -    | 4 x 4 mm <sup>2</sup><br>Pg 21   | InA<br>32 A | 1          |

InA = Rated current of switchgear and control gear assembly

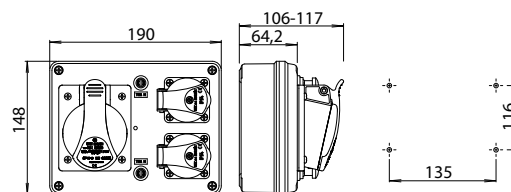
## Micro distribution boxes ROSP IP54

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- In case of combination of 16 A and 32 A sockets additional protection with F10 A / 250 V tube fuses.
- Dimensions 148 x 190 x 117 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP54  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



200272



| Ord. No. (Type)      | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection<br>Tube fuse | Connection                       | InA      | Pkg (pcs.) |
|----------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------|----------------------------------|----------|------------|
|                      |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                         |                                  |          |            |
| 200260 (ROSP 4VZ)    |        | -            | -    | -            | -    | 4       | -        | -                       | 3 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16   | 1          |
| 200261 (ROSP 4VZ/S)  |        | -            | -    | -            | -    | -       | 4        |                         |                                  |          |            |
| 200262 (ROSP 6VZ)    |        | -            | -    | -            | -    | 6       | -        | -                       | 3 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200263 (ROSP 6VZ/S)  |        | -            | -    | -            | -    | -       | 6        |                         |                                  |          |            |
| 200264 (ROSP 1632)   |        | -            | 1    | -            | -    | 1       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200265 (ROSP 1632/S) |        | -            | -    | -            | -    | -       | 1        |                         |                                  |          |            |
| 200266 (ROSP 3232)   |        | 1            | -    | -            | -    | 1       | -        | 1 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200267 (ROSP 3232/S) |        | -            | -    | -            | -    | -       | 1        |                         |                                  |          |            |
| 200268 (ROSP 1631)   |        | -            | 1    | -            | -    | 2       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200269 (ROSP 1631/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200270 (ROSP 3231)   |        | 1            | -    | -            | -    | 2       | -        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200271 (ROSP 3231/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200272 (ROSP 1630)   |        | -            | -    | -            | 1    | 2       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200273 (ROSP 1630/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200274 (ROSP 3230)   |        | -            | -    | 1            | -    | 2       | -        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200275 (ROSP 3230/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |

InA = Rated current of switchgear and control gear assembly



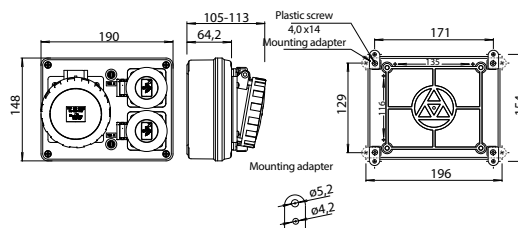
## Micro distribution boxes ROSPG IP67

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- In case of combination of 16 A and 32 A sockets additional protection with F10 A / 250 V tube fuses.
- Mounting adapters and screws are included with boxes.
- Dimensions 148 x 190 x 113 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP67  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



200292



| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection<br>Tube fuse | Connection                       | InA      | Pkg (pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------|----------------------------------|----------|------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                         |                                  |          |            |
| 200290 (ROSPG 1631)   |        | -            | 1    | -            | -    | 2       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200291 (ROSPG 1631/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200292 (ROSPG 3231)   |        | 1            | -    | -            | -    | 2       | -        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200293 (ROSPG 3231/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200294 (ROSPG 1630)   |        | -            | -    | -            | 1    | 2       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200295 (ROSPG 1630/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200296 (ROSPG 3230)   |        | -            | -    | 1            | -    | 2       | -        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200297 (ROSPG 3230/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |

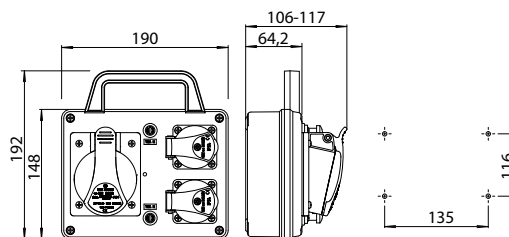
InA = Rated current of switchgear and control gear assembly

### Micro distribution boxes ROSP IP54, handle

- Distribution boxes with handle have been designed to be part of mobile wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- In case of combination of 16 A and 32 A sockets additional protection with F10 A / 250 V tube fuses.
- Dimensions 192 x 190 x 117 mm (h x w x d).



200318



Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP54  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C

| Ord. No. (Type)        | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection<br>Tube fuse | Connection                       | InA      | Pkg (pcs.) |
|------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------|----------------------------------|----------|------------|
|                        |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                         |                                  |          |            |
| 200310 (ROSP 4VZ D)    |        | -            | -    | -            | -    | 4       | -        | -                       | 3 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200311 (ROSP 4VZ D/S)  |        | -            | -    | -            | -    | -       | 4        | -                       | 3 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200312 (ROSP 6VZ D)    |        | -            | -    | -            | -    | 6       | -        | -                       | 3 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200313 (ROSP 6VZ D/S)  |        | -            | -    | -            | -    | -       | 6        | -                       | 3 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200314 (ROSP 1632 D)   |        | -            | 1    | -            | -    | 1       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200315 (ROSP 1632 D/S) |        | -            | 1    | -            | -    | -       | 1        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200316 (ROSP 3232 D)   |        | 1            | -    | -            | -    | 1       | -        | 1 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200317 (ROSP 3232 D/S) |        | 1            | -    | -            | -    | -       | 1        | 1 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200318 (ROSP 1631 D)   |        | -            | 1    | -            | -    | 2       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200319 (ROSP 1631 D/S) |        | -            | 1    | -            | -    | -       | 2        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200320 (ROSP 3231 D)   |        | 1            | -    | -            | -    | 2       | -        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200321 (ROSP 3231 D/S) |        | 1            | -    | -            | -    | -       | 2        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200322 (ROSP 1630 D)   |        | -            | -    | -            | 1    | 2       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA 16 A | 1          |
| 200323 (ROSP 1630 D/S) |        | -            | -    | -            | 1    | -       | 2        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 21 | InA 16 A | 1          |
| 200324 (ROSP 3230 D)   |        | -            | -    | 1            | -    | 2       | -        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200325 (ROSP 3230 D/S) |        | -            | -    | 1            | -    | -       | 2        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |

InA = Rated current of switchgear and control gear assembly



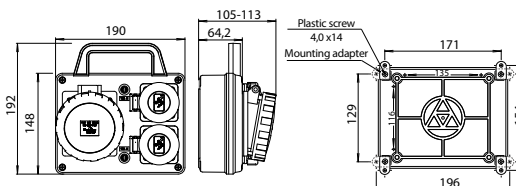
### Micro distribution boxes ROSPG IP67, handle

- Distribution boxes with handle have been designed to be part of mobile wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- In case of combination of 16 A and 32 A sockets additional protection with F10 A / 250 V tube fuses.
- Mounting adapters and screws are included with boxes.
- Dimensions 192 x 190 x 113 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP67  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200340



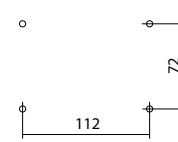
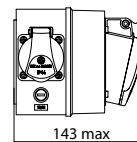
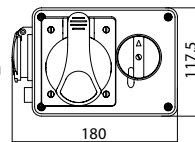
| Ord. No. (Type)         | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection<br>Tube fuse | Connection                       | InA      | Pkg (pcs.) |
|-------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------|----------------------------------|----------|------------|
|                         |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                         |                                  |          |            |
| 200340 (ROSPG 1631 D)   |        | -            | 1    | -            | -    | 2       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200341 (ROSPG 1631 D/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200342 (ROSPG 3231 D)   |        | 1            | -    | -            | -    | 2       | -        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200343 (ROSPG 3231 D/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200344 (ROSPG 1630 D)   |        | -            | -    | -            | 1    | 2       | -        | -                       | 5 x 2,5 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1          |
| 200345 (ROSPG 1630 D/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |
| 200346 (ROSPG 3230 D)   |        | -            | -    | 1            | -    | 2       | -        | 2 x F10 A/250 V         | 5 x 4 mm <sup>2</sup><br>Pg 21   | InA 32 A | 1          |
| 200347 (ROSPG 3230 D/S) |        | -            | -    | -            | -    | -       | 2        |                         |                                  |          |            |

InA = Rated current of switchgear and control gear assembly

### Micro boxes VZS IP44 with switch

- Distribution boxes are designed as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- In case of combination of 16 A and 32 A sockets additional protection with F10 A / 250 V tube fuses.
- Suitable for connecting of 3-phase and 1-phase electrical appliances with the possibility to switch off distribution box by a switch.
- Possibility of locking in position 0 or I.
- Dimensions 117,5 x 180 x 143 mm (h x w x d).

Complies with standards: STN EN 60309-1, -2  
 Mechanical resistance of box: IK10  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200360

| Ord. No. (Type)    | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection<br>Tube fuse | Equipment<br>Switch 01 | Connection                     | InA      | Pkg<br>(pcs.) |
|--------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------|------------------------|--------------------------------|----------|---------------|
|                    |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                         |                        |                                |          |               |
| 200360 (VZS 165)   |        | -            | 1    | -            | -    | 1       | -        | -                       | 1                      | 5 x 6 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1             |
| 200361 (VZS 165/S) |        | -            | -    | -            | -    | -       | 1        |                         |                        |                                |          |               |
| 200362 (VZS 325)   |        | 1            | -    | -            | -    | 1       | -        | 1 x F10 A/250 V         | 1                      | 5 x 6 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1             |
| 200363 (VZS 325/S) |        | -            | -    | -            | -    | -       | 1        |                         |                        |                                |          |               |
| 200364 (VZS 164)   |        | -            | -    | -            | 1    | 1       | -        | -                       | 1                      | 5 x 6 mm <sup>2</sup><br>Pg 16 | InA 16 A | 1             |
| 200365 (VZS 164/S) |        | -            | -    | -            | -    | -       | 1        |                         |                        |                                |          |               |
| 200366 (VZS 324)   |        | -            | -    | 1            | -    | 1       | -        | 1 x F10 A/250 V         | 1                      | 5 x 6 mm <sup>2</sup><br>Pg 21 | InA 32 A | 1             |
| 200367 (VZS 324/S) |        | -            | -    | -            | -    | -       | 1        |                         |                        |                                |          |               |

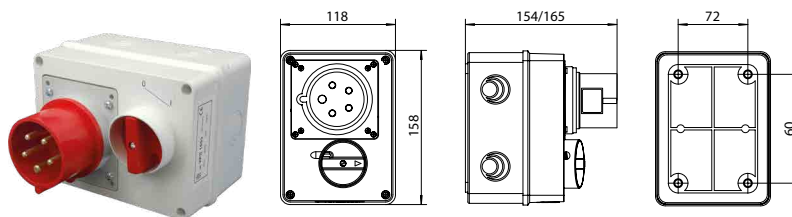
InA = Rated current of switchgear and control gear assembly



## Inlets VPS IP44 with switch

- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Powered by straight inlet.
- Possibility of locking in position 0 or I.
- Dimensions 158 x 118 x 154 mm (h x w x d) Ord. No. 200380.
- Dimensions 158 x 118 x 165 mm (h x w x d) Ord. No. 200382.

Complies with standards: STN EN 60309-1, -2  
Mechanical resistance of box: IK10  
Degree of protection: IP44  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



200380

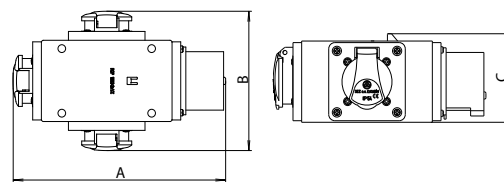
| Ord. No. (Type)   | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection<br>Tube fuse | Equipment<br>Switch 01 | Connection                 | InA      | Pkg<br>(pcs.) |
|-------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------|------------------------|----------------------------|----------|---------------|
|                   |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                         |                        |                            |          |               |
| 200380 (VPS 1653) |        | -            | -    | -            | -    | -       | -        | -                       | 1                      | CEE inlet<br>16 A/5P/400 V | InA 16 A | 1             |
| 200382 (VPS 3253) |        | -            | -    | -            | -    | -       | -        | -                       | 1                      | CEE inlet<br>32 A/5P/400 V | InA 32 A | 1             |

InA = Rated current of switchgear and control gear assembly

### Compact distribution boxes ROP IP44 with straight inlet

- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Powered by straight inlet 16 A or 32 A.
- Using in exterior or interior, residential sector, building sites and industrial zones.

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance: IK06  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



200408

| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Connection                 | InA      | Pkg (pcs.) | Dimensions |     |     |
|--------------------------|--------|--------------|------|--------------|------|---------|----------|----------------------------|----------|------------|------------|-----|-----|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                            |          |            | A          | B   | C   |
| 200400 (ROP 1653-VZ)     |        | -            | 2    | -            | -    | 1       | -        | CEE inlet<br>16 A/5P/400 V | InA 16 A | 1          | 202        | 205 | 94  |
| 200401 (ROP 1653-VZ/S)   |        | -            | -    | -            | -    | -       | 1        |                            |          |            |            |     |     |
| 200402 (ROP 1653-2xVZ)   |        | -            | 1    | -            | -    | 2       | -        | CEE inlet<br>16 A/5P/400 V | InA 16 A | 1          | 240        | 130 | 94  |
| 200403 (ROP 1653-2xVZ/S) |        | -            | -    | -            | -    | -       | 2        |                            |          |            |            |     |     |
| 200404 (ROP 1653-3xVZ)   |        | -            | -    | -            | -    | 3       | -        | CEE inlet<br>16 A/5P/400 V | InA 16 A | 1          | 202        | 130 | 86  |
| 200405 (ROP 1653-3xVZ/S) |        | -            | -    | -            | -    | -       | 3        |                            |          |            |            |     |     |
| 200406 (ROP 1653)        |        | -            | 3    | -            | -    | -       | -        | CEE inlet<br>16 A/5P/400 V | InA 16 A | 1          | 240        | 205 | 94  |
| 200408 (ROP 3253)        |        | 3            | -    | -            | -    | -       | -        | CEE inlet<br>32 A/5P/400 V | InA 32 A | 1          | 261        | 229 | 105 |
| 200410 (ROP 1643)        |        | -            | -    | -            | 3    | -       | -        | CEE inlet<br>16 A/4P/400 V | InA 16 A | 1          | 238        | 201 | 90  |
| 200412 (ROP 3243)        |        | -            | -    | 3            | -    | -       | -        | CEE inlet<br>32 A/4P/400 V | InA 32 A | 1          | 257        | 221 | 98  |

InA = Rated current of switchgear and control gear assembly

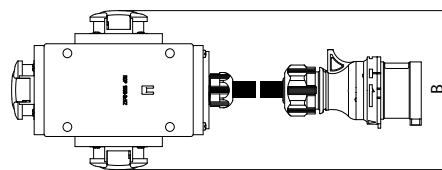
## DISTRIBUTION BOXES

Compact distribution boxes with supply cable

CONNECTING ENERGY

### Compact distribution boxes ROP IP44 with supply cable

- Compact distribution boxes with supply cable and plug, other product features identical to **Compact distribution boxes ROP IP44 with straight inlet**.
- Supply cable 2 m terminated with a plug.



|                          |                                |
|--------------------------|--------------------------------|
| Complies with standards: | STN EN 61439-1, STN EN 61439-3 |
| Mechanical resistance:   | IK06                           |
| Degree of protection:    | IP44                           |
| Material:                | ABS                            |
| Nominal working voltage: | 400 V~, 250 V~, 50/60 Hz       |
| Operating temperature:   | -25 °C to +55 °C               |

200424

| Ord. No. (Type)              | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Connection                        | InA      | Pkg (pcs.) | Dimensions |     |   |
|------------------------------|--------|--------------|------|--------------|------|---------|----------|-----------------------------------|----------|------------|------------|-----|---|
|                              |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                                   |          |            | A          | B   | C |
| 200416 (ROP 1653-VZ/IVN)     |        | -            | 2    | -            | -    | 1       | -        | cable 2 m with plug 16 A/5P/400 V | InA 16 A | 1          | -          | 205 | - |
| 200417 (ROP 1653-VZ/S/IVN)   |        | -            | -    | -            | -    | -       | 1        |                                   |          |            |            |     |   |
| 200418 (ROP 1653-2xVZ/IVN)   |        | -            | 1    | -            | -    | 2       | -        | cable 2 m with plug 16 A/5P/400 V | InA 16 A | 1          | -          | 130 | - |
| 200419 (ROP 1653-2xVZ/S/IVN) |        | -            | -    | -            | -    | -       | 2        |                                   |          |            |            |     |   |
| 200420 (ROP 1653-3xVZ/IVN)   |        | -            | -    | -            | -    | 3       | -        | cable 2 m with plug 16 A/5P/400 V | InA 16 A | 1          | -          | 130 | - |
| 200421 (ROP 1653-3xVZ/S/IVN) |        | -            | -    | -            | -    | -       | 3        |                                   |          |            |            |     |   |
| 200422 (ROP 1653/IVN)        |        | -            | 3    | -            | -    | -       | -        | cable 2 m with plug 16 A/5P/400 V | InA 16 A | 1          | -          | 205 | - |
| 200424 (ROP 3253/IVN)        |        | 3            | -    | -            | -    | -       | -        | cable 2 m with plug 32 A/5P/400 V | InA 32 A | 1          | -          | 229 | - |
| 200426 (ROP 1643/IVN)        |        | -            | -    | -            | 3    | -       | -        | cable 2 m with plug 16 A/4P/400 V | InA 16 A | 1          | -          | 201 | - |
| 200428 (ROP 3243/IVN)        |        | -            | -    | 3            | -    | -       | -        | cable 2 m with plug 32 A/4P/400 V | InA 32 A | 1          | -          | 221 | - |

InA = Rated current of switchgear and control gear assembly

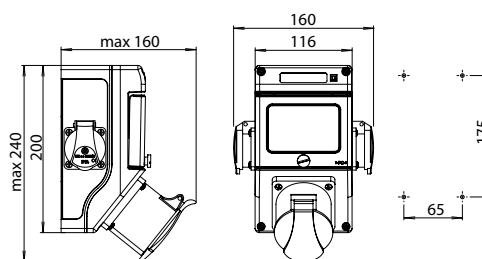
## Distribution boxes ROS 4 IP44 protected

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 240 x 160 x 160 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK08  
Degree of protection: IP44  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



200802



| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |                                    | Connection                    | InA         | Pkg (pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|------------|------------------------------------|-------------------------------|-------------|------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs                               |                               |             |            |
| 200800 (ROS 4/I-12)   |        | -            | 1    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 4 mm <sup>2</sup><br>M 25 | InA<br>16 A | 1          |
| 200801 (ROS 4/I-12/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                             | -           | -          |
| 200802 (ROS 4/I-10)   |        | 1            | -    | -            | -    | 2       | -        | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 200803 (ROS 4/I-10/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                             | -           | -          |
| 200804 (ROS 4/I-52)   |        | -            | -    | -            | 1    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 4 mm <sup>2</sup><br>M 25 | InA<br>16 A | 1          |
| 200805 (ROS 4/I-52/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                             | -           | -          |
| 200806 (ROS 4/I-50)   |        | -            | -    | 1            | -    | 2       | -        | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 200807 (ROS 4/I-50/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                             | -           | -          |

InA = Rated current of switchgear and control gear assembly

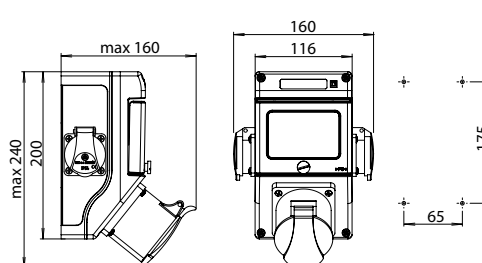
## Distribution boxes ROS 4 IP44 without MCBs, fully pre-wired

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 240 x 160 x 160 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK08  
Degree of protection: IP44  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



200822



| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                    | InA         | Pkg (pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|------------|------|-------------------------------|-------------|------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                               |             |            |
| 200820 (ROS 4/x-12)   |        | -            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>M 25 | InA<br>16 A | 1          |
| 200821 (ROS 4/x-12/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 200822 (ROS 4/x-10)   |        | 1            | -    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 200823 (ROS 4/x-10/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 200824 (ROS 4/x-52)   |        | -            | -    | -            | 1    | 2       | -        | -          | -    | 5 x 4 mm <sup>2</sup><br>M 25 | InA<br>16 A | 1          |
| 200825 (ROS 4/x-52/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 200826 (ROS 4/x-50)   |        | -            | -    | 1            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 200827 (ROS 4/x-50/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |

InA = Rated current of switchgear and control gear assembly



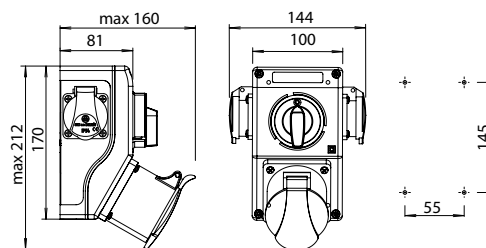
## Distribution boxes ROS 4/V IP44 with reversing switch

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- In case of combination of 16 A and 32 A sockets additional protection with F10 A / 250 V tube fuses.
- Possibility of locking in position 0.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Dimensions 212 x 144 x 160 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK08  
Degree of protection: IP44  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



200840



| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection<br>Tube fuse | Equipment<br>Reversing switch | Connection                    | InA         | Pkg<br>(pcs.) |
|--------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------|-------------------------------|-------------------------------|-------------|---------------|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                         |                               |                               |             |               |
| 200840 (ROS 4/V-12 LP)   |        | -            | 1    | -            | -    | 2       | -        | -                       | 1                             | 5 x 4 mm <sup>2</sup><br>M 25 | InA<br>16 A | 1             |
| 200841 (ROS 4/V-12 LP/S) |        | -            | -    | -            | -    | -       | 2        | -                       | -                             | -                             | -           | -             |
| 200842 (ROS 4/V-10 LP)   |        | 1            | -    | -            | -    | 2       | -        | 2 x F10 A/250 V         | 1                             | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 200843 (ROS 4/V-10 LP/S) |        | -            | -    | -            | -    | -       | 2        | -                       | -                             | -                             | -           | -             |
| 200844 (ROS 4/V-52 LP)   |        | -            | -    | -            | 1    | 2       | -        | -                       | 1                             | 5 x 4 mm <sup>2</sup><br>M 25 | InA<br>16 A | 1             |
| 200845 (ROS 4/V-52 LP/S) |        | -            | -    | -            | -    | -       | 2        | -                       | -                             | -                             | -           | -             |
| 200846 (ROS 4/V-50 LP)   |        | -            | -    | 1            | -    | 2       | -        | 2 x F10 A/250 V         | 1                             | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 200847 (ROS 4/V-50 LP/S) |        | -            | -    | -            | -    | -       | 2        | -                       | -                             | -                             | -           | -             |

InA = Rated current of switchgear and control gear assembly

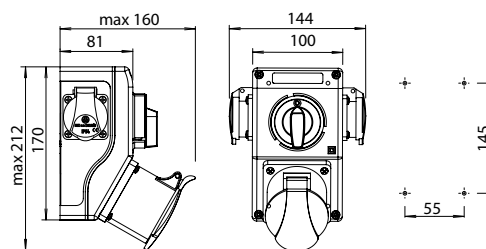
## Distribution boxes ROS 4/V IP44 with switch

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- In case of combination of 16 A and 32 A sockets additional protection with F10 A / 250 V tube fuses.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Possibility of locking in position 0.
- Dimensions 212 x 144 x 160 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK08  
Degree of protection: IP44  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



200860



| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection<br>Tube fuse | Equipment<br>Switch 01 | Connection                    | InA         | Pkg<br>(pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------|------------------------|-------------------------------|-------------|---------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                         |                        |                               |             |               |
| 200860 (ROS 4/V-12)   |        | -            | 1    | -            | -    | 2       | -        | -                       | 1                      | 5 x 4 mm <sup>2</sup><br>M 25 | InA<br>16 A | 1             |
| 200861 (ROS 4/V-12/S) |        | -            | -    | -            | -    | -       | 2        | -                       | -                      | -                             | -           | -             |
| 200862 (ROS 4/V-10)   |        | 1            | -    | -            | -    | 2       | -        | 2 x F10 A/250 V         | 1                      | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 200863 (ROS 4/V-10/S) |        | -            | -    | -            | -    | -       | 2        | -                       | -                      | -                             | -           | -             |
| 200864 (ROS 4/V-52)   |        | -            | -    | -            | 1    | 2       | -        | -                       | 1                      | 5 x 4 mm <sup>2</sup><br>M 25 | InA<br>16 A | 1             |
| 200865 (ROS 4/V-52/S) |        | -            | -    | -            | -    | -       | 2        | -                       | -                      | -                             | -           | -             |
| 200866 (ROS 4/V-50)   |        | -            | -    | 1            | -    | 2       | -        | 2 x F10 A/250 V         | 1                      | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 200867 (ROS 4/V-50/S) |        | -            | -    | -            | -    | -       | 2        | -                       | -                      | -                             | -           | -             |

InA = Rated current of switchgear and control gear assembly

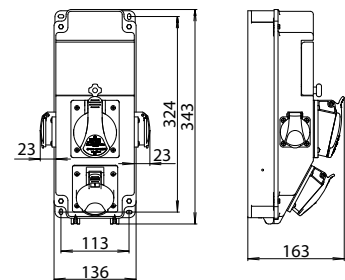
## Distribution boxes ROS 6 IP54 protected

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Pre-injected centric circle for glands from bottom: 1x (M25; M32).
- Dimensions 343 x 136 x 163 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP54  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



201012



| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                    |                                    | Connection                   | InA      | Pkg (pcs.) |
|--------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------------|------------------------------------|------------------------------|----------|------------|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                          | MCBs                               |                              |          |            |
| 201000 (ROS 5-6/FI-01)   |        | -            | -    | -            | -    | 4       | -        | 1xRCCB 25 A/2/0,03 A (Type A) | 1xMCB 16 A 1P-B                    | 3 x 2,5 mm <sup>2</sup> M 25 | InA 16 A | 1          |
| 201001 (ROS 5-6/FI-01/S) |        | -            | -    | -            | -    | -       | 4        |                               |                                    |                              |          |            |
| 201002 (ROS 5-6/I-10)    |        | 1            | -    | -            | -    | 2       | -        | -                             | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup> M 32   | InA 32 A | 1          |
| 201003 (ROS 5-6/I-10/S)  |        | -            | -    | -            | -    | -       | 2        |                               |                                    |                              |          |            |
| 201004 (ROS 5-6/I-11)    |        | 1            | -    | -            | -    | 2       | -        | -                             | 1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup> M 32   | InA 32 A | 1          |
| 201005 (ROS 5-6/I-11/S)  |        | -            | -    | -            | -    | -       | 2        |                               |                                    |                              |          |            |
| 201006 (ROS 5-6/I-12)    |        | -            | 1    | -            | -    | 2       | -        | -                             | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup> M 32   | InA 32 A | 1          |
| 201007 (ROS 5-6/I-12/S)  |        | -            | -    | -            | -    | -       | 2        |                               |                                    |                              |          |            |
| 201008 (ROS 5-6/I-13)    |        | -            | 1    | -            | -    | 2       | -        | -                             | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup> M 32   | InA 32 A | 1          |
| 201009 (ROS 5-6/I-13/S)  |        | -            | -    | -            | -    | -       | 2        |                               |                                    |                              |          |            |
| 201010 (ROS 5-6/I-14)    |        | 1            | 1    | -            | -    | 1       | -        | -                             | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup> M 32   | InA 32 A | 1          |
| 201011 (ROS 5-6/I-14/S)  |        | -            | -    | -            | -    | -       | 1        |                               |                                    |                              |          |            |
| 201012 (ROS 5-6/I-15)    |        | 1            | 1    | -            | -    | 2       | -        | -                             | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup> M 32   | InA 32 A | 1          |
| 201013 (ROS 5-6/I-15/S)  |        | -            | -    | -            | -    | -       | 2        |                               |                                    |                              |          |            |
| 201014 (ROS 5-6/I-16)    |        | 1            | 1    | -            | -    | 2       | -        | -                             | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup> M 32   | InA 32 A | 1          |
| 201015 (ROS 5-6/I-16/S)  |        | -            | -    | -            | -    | -       | 2        |                               |                                    |                              |          |            |

InA = Rated current of switchgear and control gear assembly

**Distribution boxes ROS 6 IP54 protected (continued)**

| Ord. No. (Type)         | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |                                    | Connection                    | InA         | Pkg (pcs.) |
|-------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------------------------------------|-------------------------------|-------------|------------|
|                         |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs                               |                               |             |            |
| 201016 (ROS 5-6/I-50)   |        | -            | -    | 1            | -    | 2       |          | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201017 (ROS 5-6/I-50/S) |        |              |      |              |      |         | 2        |            |                                    |                               |             |            |
| 201018 (ROS 5-6/I-51)   |        | -            | -    | 1            | -    | 2       |          | -          | 1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201019 (ROS 5-6/I-51/S) |        |              |      |              |      |         | 2        |            |                                    |                               |             |            |
| 201020 (ROS 5-6/I-52)   |        | -            | -    | -            | 1    | 2       |          | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201021 (ROS 5-6/I-52/S) |        |              |      |              |      |         | 2        |            |                                    |                               |             |            |
| 201022 (ROS 5-6/I-53)   |        | -            | -    | -            | 1    | 2       |          | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201023 (ROS 5-6/I-53/S) |        |              |      |              |      |         | 2        |            |                                    |                               |             |            |
| 201024 (ROS 5-6/I-54)   |        | -            | -    | 1            | 1    | 1       |          | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201025 (ROS 5-6/I-54/S) |        |              |      |              |      |         | 1        |            |                                    |                               |             |            |
| 201026 (ROS 5-6/I-55)   |        | -            | -    | 1            | 1    | 2       |          | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201027 (ROS 5-6/I-55/S) |        |              |      |              |      |         | 2        |            |                                    |                               |             |            |
| 201028 (ROS 5-6/I-56)   |        | -            | -    | 1            | 1    | 2       |          | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201029 (ROS 5-6/I-56/S) |        |              |      |              |      |         | 2        |            |                                    |                               |             |            |

InA = Rated current of switchgear and control gear assembly

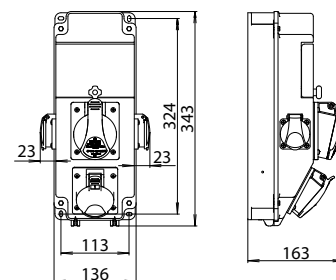


## Distribution boxes ROS 6 IP54 without MCBs, fully pre-wired

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Pre-injected centric circle for glands from bottom: 1x (M25; M32).
- Dimensions 343 x 136 x 163 mm (h x w x d).



201040



Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP54  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C

| Ord. No. (Type)         | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                    | InA         | Pkg (pcs.) |
|-------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------|-------------------------------|-------------|------------|
|                         |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                               |             |            |
| 201040 (ROS 5-6/x-01)   |        | 1            | 1    | -            | -    | -       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 201042 (ROS 5-6/x-10)   |        | 1            | -    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201043 (ROS 5-6/x-10/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201044 (ROS 5-6/x-12)   |        | -            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201045 (ROS 5-6/x-12/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201046 (ROS 5-6/x-14)   |        | 1            | 1    | -            | -    | 1       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201047 (ROS 5-6/x-14/S) |        | -            | -    | -            | -    | -       | 1        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201048 (ROS 5-6/x-15)   |        | 1            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201049 (ROS 5-6/x-15/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201050 (ROS 5-6/x-16)   |        | -            | -    | -            | -    | 4       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201051 (ROS 5-6/x-16/S) |        | -            | -    | -            | -    | -       | 4        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201052 (ROS 5-6/x-17)   |        | -            | 2    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201053 (ROS 5-6/x-17/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201054 (ROS 5-6/x-18)   |        | 2            | -    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201055 (ROS 5-6/x-18/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |

InA = Rated current of switchgear and control gear assembly

**Distribution boxes ROS 6 IP54 without MCBs, fully pre-wired (continued)**

| Ord. No. (Type)         | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                    | InA         | Pkg (pcs.) |
|-------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------|-------------------------------|-------------|------------|
|                         |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                               |             |            |
| 201056 (ROS 5-6/x-41)   |        | -            | -    | 1            | 1    | -       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 201058 (ROS 5-6/x-50)   |        | -            | -    | 1            | -    | 2       |          | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201059 (ROS 5-6/x-50/S) |        |              |      |              |      |         | 2        |            |      |                               |             |            |
| 201060 (ROS 5-6/x-52)   |        | -            | -    | -            | 1    | 2       |          | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201061 (ROS 5-6/x-52/S) |        |              |      |              |      |         | 2        |            |      |                               |             |            |
| 201062 (ROS 5-6/x-54)   |        | -            | -    | 1            | 1    | 1       |          | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 201063 (ROS 5-6/x-54/S) |        |              |      |              |      |         | 1        |            |      |                               |             |            |
| 201064 (ROS 5-6/x-55)   |        | -            | -    | 1            | 1    | 2       |          | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201065 (ROS 5-6/x-55/S) |        |              |      |              |      |         | 2        |            |      |                               |             |            |

InA = Rated current of switchgear and control gear assembly



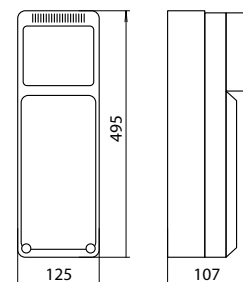
## Distribution boxes ROS M6 IP54 protected

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Doubled insulation.
- Pre-injected circle ø 20 mm for cable glands - bottom and top.
- Dimensions 495 x 125 x 107 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK09  
Degree of protection: IP54, IP65 Ord. No. 201090  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



201090



| Ord. No. (Type)        | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |                                    | Connection                    | InA         | Pkg (pcs.) |
|------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------------------------------------|-------------------------------|-------------|------------|
|                        |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs                               |                               |             |            |
| 201080 (ROS M6/I-02)   |        | 1            | 1    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201081 (ROS M6/I-02/S) |        | -            | -    | -            | -    | -       | 2        | -          | -                                  | -                             | -           | -          |
| 201082 (ROS M6/I-03)   |        | -            | 1    | -            | -    | 4       | -        | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-C | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201083 (ROS M6/I-03/S) |        | -            | -    | -            | -    | -       | 4        | -          | -                                  | -                             | -           | -          |

InA = Rated current of switchgear and control gear assembly

## Distribution boxes ROS M6 IP65 protected

- Distribution boxes protected with IP65 protection, other product features identical to **Distribution boxes ROS M6 IP54 protected**.

| Ord. No. (Type)      | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | CEE 230 V 3P | Protection |                                    | Connection                    | InA         | Pkg (pcs.) |
|----------------------|--------|--------------|------|--------------|------|--------------|------------|------------------------------------|-------------------------------|-------------|------------|
|                      |        | 32 A         | 16 A | 32 A         | 16 A | 16 A         | RCCB       | MCBs                               |                               |             |            |
| 201090 (ROS M6/I-01) |        | 1            | 1    | -            | -    | 1            | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-C | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |

InA = Rated current of switchgear and control gear assembly





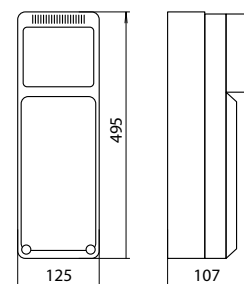
## Distribution boxes ROS M6 IP54 without MCBs, economically pre-wired

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Doubled insulation.
- Pre-injected circle ø 20 mm for cable glands - bottom and top.
- Dimensions 495 x 125 x 107 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK09  
Degree of protection: IP54, IP65 Ord. No. 201110  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



201102



| Ord. No. (Type)        | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                    | InA         | Pkg (pcs.) |
|------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------|-------------------------------|-------------|------------|
|                        |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                               |             |            |
| 201100 (ROS M6/x-02)   |        | 1            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 201101 (ROS M6/x-02/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 201102 (ROS M6/x-03)   |        | -            | 1    | -            | -    | 4       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 201103 (ROS M6/x-03/S) |        | -            | -    | -            | -    | -       | 4        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |

InA = Rated current of switchgear and control gear assembly

## Distribution boxes ROS M6 IP65 without MCBs, economically pre-wired

- Distribution boxes without MCBs with IP65 protection, other product features identical to **Distribution boxes ROS M6 IP54 without MCBs, economically pre-wired.**

| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | CEE 230 V 3P | Protection |      | Connection                    | InA         | Pkg (pcs.) |
|-----------------------|--------|--------------|------|--------------|------|--------------|------------|------|-------------------------------|-------------|------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A         | RCCB       | MCBs |                               |             |            |
| 201110 (ROS M6/x-01)) |        | 1            | 1    | -            | -    | 1            | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |

InA = Rated current of switchgear and control gear assembly

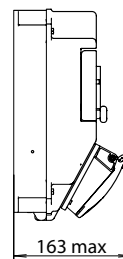
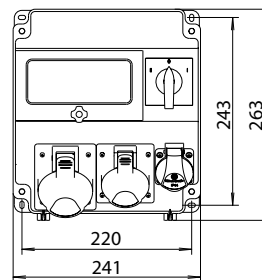
### Distribution boxes ROS 7 IP54 protected with reversing switch

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Possibility of locking in position 0.
- Pre-injected centric circles for glands on top: 2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 263 x 241 x 163 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP54  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



201502



| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Equipment        | Protection                                            | Connection                    | InA         | Pkg (pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|------------------|-------------------------------------------------------|-------------------------------|-------------|------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | Reversing switch | MCBs                                                  |                               |             |            |
| 201500 (ROS 7/I-02)   |        | 1            | 1    | -            | -    | 1       | -        | 1                | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201501 (ROS 7/I-02/S) |        |              |      |              |      | -       | 1        |                  |                                                       |                               |             |            |
| 201502 (ROS 7/I-04)   |        | 1            | 1    | -            | -    | 1       | -        | 1                | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201503 (ROS 7/I-04/S) |        |              |      |              |      | -       | 1        |                  |                                                       |                               |             |            |
| 201504 (ROS 7/I-42)   |        | -            | -    | 1            | 1    | 1       | -        | 1                | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201505 (ROS 7/I-42/S) |        |              |      |              |      | -       | 1        |                  |                                                       |                               |             |            |
| 201506 (ROS 7/I-44)   |        | -            | -    | 1            | 1    | 1       | -        | 1                | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 201507 (ROS 7/I-44/S) |        |              |      |              |      | -       | 1        |                  |                                                       |                               |             |            |

InA = Rated current of switchgear and control gear assembly

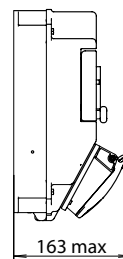
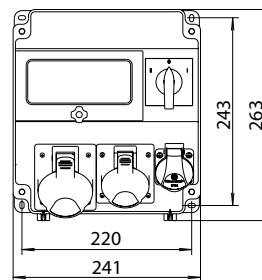
### Distribution boxes ROS 7 IP54 without MCBs, economically pre-wired with reversing switch

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Possibility of locking in position 0.
- Max. cable entry: 5 x 4 mm<sup>2</sup> for 16 A a 5 x 6 mm<sup>2</sup> for 32 A.
- Pre-injected centric circles for glands on top: 2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 263 x 241 x 163 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP54  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



201520



| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Equipment        | Protection | Connection                    | InA         | Pkg (pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|------------------|------------|-------------------------------|-------------|------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | Reversing switch | MCBs       |                               |             |            |
| 201520 (ROS 7/x-02)   |        | 1            | 1    | -            | -    | 1       | -        | 1                | -          | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 201521 (ROS 7/x-02/S) |        |              |      |              |      | -       | 1        |                  |            |                               |             |            |
| 201522 (ROS 7/x-42)   |        | -            | -    | 1            | 1    | 1       | -        | 1                | -          | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 201533 (ROS 7/x-42/S) |        |              |      |              |      | -       | 1        |                  |            |                               |             |            |

InA = Rated current of switchgear and control gear assembly

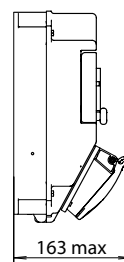
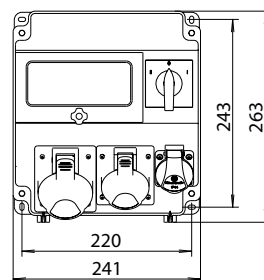
### Distribution boxes ROS 7 IP54 protected with switch

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Possibility of locking in position 0.
- Pre-injected centric circles for glands on top: 2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 263 x 241 x 163 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP54  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



201542



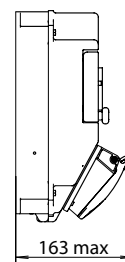
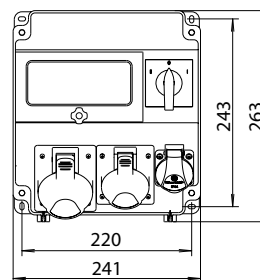
| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Equipment<br>Switch 01 | Protection<br>MCBs                                    | Connection                    | InA         | Pkg<br>(pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|------------------------|-------------------------------------------------------|-------------------------------|-------------|---------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                        |                                                       |                               |             |               |
| 201540 (ROS 7/I-01)   |        | 1            | 1    | -            | -    | 1       | -        | 1                      | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 201541 (ROS 7/I-01/S) |        | -            | -    | -            | -    | -       | 1        | -                      | -                                                     | -                             | -           | -             |
| 201542 (ROS 7/I-03)   |        | 1            | 1    | -            | -    | 1       | -        | 1                      | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 201543 (ROS 7/I-03/S) |        | -            | -    | -            | -    | -       | 1        | -                      | -                                                     | -                             | -           | -             |
| 201544 (ROS 7/I-11)   |        | -            | 2    | -            | -    | 1       | -        | 1                      | 2xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 201545 (ROS 7/I-11/S) |        | -            | -    | -            | -    | -       | 1        | -                      | -                                                     | -                             | -           | -             |
| 201546 (ROS 7/I-41)   |        | -            | -    | 1            | 1    | 1       | -        | 1                      | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 201547 (ROS 7/I-41/S) |        | -            | -    | -            | -    | -       | 1        | -                      | -                                                     | -                             | -           | -             |
| 201548 (ROS 7/I-43)   |        | -            | -    | 1            | 1    | 1       | -        | 1                      | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 201549 (ROS 7/I-43/S) |        | -            | -    | -            | -    | -       | 1        | -                      | -                                                     | -                             | -           | -             |
| 201550 (ROS 7/I-51)   |        | -            | -    | -            | 2    | 1       | -        | 1                      | 2xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1             |
| 201551 (ROS 7/I-51/S) |        | -            | -    | -            | -    | -       | 1        | -                      | -                                                     | -                             | -           | -             |

InA = Rated current of switchgear and control gear assembly

### Distribution boxes ROS 7 IP54 without MCBs, economically pre-wired with switch

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Possibility of locking in position 0.
- Pre-injected centric circles for glands on top: 2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 263 x 241 x 163 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP54  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



201570

| Ord. No. (Type)       | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Equipment Switch 01 | Protection MCBs | Connection                 | InA      | Pkg (pcs.) |
|-----------------------|--------|--------------|------|--------------|------|---------|----------|---------------------|-----------------|----------------------------|----------|------------|
|                       |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch |                     |                 |                            |          |            |
| 201570 (ROS 7/x-01)   |        | 1            | 1    | -            | -    | 1       | -        | 1                   | -               | 5 x 6 mm <sup>2</sup> M 32 | InA 16 A | 1          |
| 201571 (ROS 7/x-01/S) |        | -            | -    | -            | -    | -       | 1        | -                   | -               | -                          | -        | -          |
| 201572 (ROS 7/x-41)   |        | -            | -    | 1            | 1    | 1       | -        | 1                   | -               | 5 x 6 mm <sup>2</sup> M 32 | InA 16 A | 1          |
| 201573 (ROS 7/x-41/S) |        | -            | -    | -            | -    | -       | 1        | -                   | -               | -                          | -        | -          |

InA = Rated current of switchgear and control gear assembly



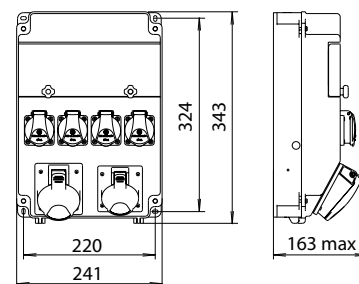
## Distribution boxes ROS 11 IP54 with RCCB

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Pre-injected centric circles for glands on top: 2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 343 x 241 x 163 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP54  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



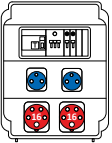
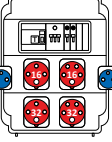
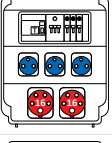
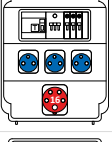
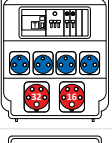
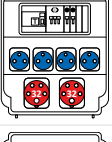
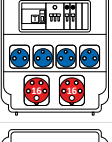
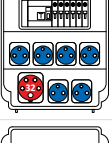
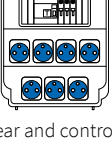
202034



| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                    |                                                       | Connection                 | InA      | Pkg (pcs.) |
|--------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------------|-------------------------------------------------------|----------------------------|----------|------------|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                          | MCBs                                                  |                            |          |            |
| 202000 (ROS 11/FI-01)    |        | 4            | -    | -            | -    | -       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 2xMCB 32 A 3P-C                                       | 5 x 6 mm <sup>2</sup> M 32 | InA 40 A | 1          |
| 202002 (ROS 11/FI-03)    |        | -            | 4    | -            | -    | -       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 2xMCB 16 A 3P-C                                       | 5 x 6 mm <sup>2</sup> M 32 | InA 32 A | 1          |
| 202004 (ROS 11/FI-05))   |        | 2            | 2    | -            | -    | -       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C                                       | 5 x 6 mm <sup>2</sup> M 32 | InA 32 A | 1          |
| 202006 (ROS 11/FI-11)    |        | 2            | 1    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup> M 32 | InA 32 A | 1          |
| 202007 (ROS 11/FI-11/S)  |        |              |      |              |      | -       | 2        |                               |                                                       |                            |          |            |
| 202008 (ROS 11/FI-12)    |        | 2            | 1    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup> M 32 | InA 32 A | 1          |
| 202009 (ROS 11/FI-12/S)  |        |              |      |              |      | -       | 2        |                               |                                                       |                            |          |            |
| 202010 (ROS 11/FI-14)    |        | 1            | 2    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup> M 32 | InA 32 A | 1          |
| 202011 (ROS 11/FI-14/S)  |        |              |      |              |      | -       | 2        |                               |                                                       |                            |          |            |
| 202012 (ROS 11/FI-15)    |        | 1            | 2    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup> M 32 | InA 32 A | 1          |
| 202013 (ROS 11/FI-15/S)  |        |              |      |              |      | -       | 2        |                               |                                                       |                            |          |            |
| 202014 (ROS 11/FI-65)    |        | 1            | 1    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup> M 32 | InA 32 A | 1          |
| 202015 (ROS 11/FI-65/S)  |        |              |      |              |      | -       | 2        |                               |                                                       |                            |          |            |
| 202016 (ROS 11/FI-632)   |        | 1            | 1    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup> M 32 | InA 40 A | 1          |
| 202017 (ROS 11/FI-632/S) |        |              |      |              |      | -       | 2        |                               |                                                       |                            |          |            |
| 202018 (ROS 11/FI-66)    |        | 2            | -    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup> M 32 | InA 40 A | 1          |
| 202019 (ROS 11/FI-66/S)  |        |              |      |              |      | -       | 2        |                               |                                                       |                            |          |            |

InA = Rated current of switchgear and control gear assembly

**Distribution boxes ROS 11 IP54 with RCCB (continued)**

| Ord. No. (Type)         | Layout                                                                              | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                    |                                                       | Connection                    | InA      | Pkg (pcs.) |
|-------------------------|-------------------------------------------------------------------------------------|--------------|------|--------------|------|---------|----------|-------------------------------|-------------------------------------------------------|-------------------------------|----------|------------|
|                         |                                                                                     | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                          | MCBs                                                  |                               |          |            |
| 202020 (ROS 11/FI-64)   |    | -            | 2    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 32 A | 1          |
| 202021 (ROS 11/FI-64/S) |                                                                                     | -            | -    | -            | -    | -       | 2        |                               |                                                       |                               |          |            |
| 202022 (ROS 11/FI-26)   |    | 1            | 1    | -            | -    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA 40 A | 1          |
| 202023 (ROS 11/FI-26/S) |                                                                                     | -            | -    | -            | -    | -       | 2        |                               |                                                       |                               |          |            |
| 202024 (ROS 11/FI-31)   |    | 1            | 1    | 1            | 1    | 2       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 32 A | 1          |
| 202025 (ROS 11/FI-31/S) |                                                                                     | -            | -    | -            | -    | -       | 2        |                               |                                                       |                               |          |            |
| 202026 (ROS 11/FI-67)   |    | 1            | 1    | -            | -    | 3       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>3xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 32 A | 1          |
| 202027 (ROS 11/FI-67/S) |                                                                                     | -            | -    | -            | -    | -       | 3        |                               |                                                       |                               |          |            |
| 202028 (ROS 11/FI-69)   |   | 2            | -    | -            | -    | 3       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 32 A 3P-C<br>3xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 40 A | 1          |
| 202029 (ROS 11/FI-69/S) |                                                                                     | -            | -    | -            | -    | -       | 3        |                               |                                                       |                               |          |            |
| 202030 (ROS 11/FI-68)   |  | -            | 2    | -            | -    | 3       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>3xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 32 A | 1          |
| 202031 (ROS 11/FI-68/S) |                                                                                     | -            | -    | -            | -    | -       | 3        |                               |                                                       |                               |          |            |
| 202032 (ROS 11/FI-70)   |  | -            | 1    | -            | -    | 3       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>3xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 32 A | 1          |
| 202033 (ROS 11/FI-70/S) |                                                                                     | -            | -    | -            | -    | -       | 3        |                               |                                                       |                               |          |            |
| 202034 (ROS 11/FI-21)   |  | 1            | 1    | -            | -    | 4       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 32 A | 1          |
| 202035 (ROS 11/FI-21/S) |                                                                                     | -            | -    | -            | -    | -       | 4        |                               |                                                       |                               |          |            |
| 202036 (ROS 11/FI-22)   |  | 2            | -    | -            | -    | 4       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 40 A | 1          |
| 202037 (ROS 11/FI-22/S) |                                                                                     | -            | -    | -            | -    | -       | 4        |                               |                                                       |                               |          |            |
| 202038 (ROS 11/FI-23)   |  | -            | 2    | -            | -    | 4       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA 16 A | 1          |
| 202039 (ROS 11/FI-23/S) |                                                                                     | -            | -    | -            | -    | -       | 4        |                               |                                                       |                               |          |            |
| 202040 (ROS 11/FI-24)   |  | 1            | -    | -            | -    | 6       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 6xMCB 16 A 1P-B                                       | 5 x 6 mm <sup>2</sup><br>M 32 | InA 32 A | 1          |
| 202041 (ROS 11/FI-24/S) |                                                                                     | -            | -    | -            | -    | -       | 6        |                               |                                                       |                               |          |            |
| 202042 (ROS 11/FI-25)   |  | -            | -    | -            | -    | 7       | -        | 1xRCCB 40 A/4/0,03 A (Type A) | 3xMCB 16 A 1P-B                                       | 5 x 6 mm <sup>2</sup><br>M 32 | InA 32 A | 1          |
| 202043 (ROS 11/FI-25/S) |                                                                                     | -            | -    | -            | -    | -       | 7        |                               |                                                       |                               |          |            |

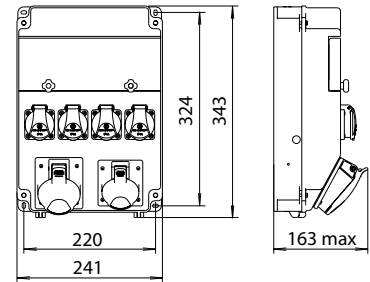
InA = Rated current of switchgear and control gear assembly





## Distribution boxes ROS 11 IP54 protected

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Ord. No. 202088, 202089 with safety toroidal transformer (SELV) 24 V AC / 150 VA.
- Pre-injected centric circles for glands on top:  
2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 343 x 241 x 163 mm (h x w x d).



Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP54  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C

202084

| Ord. No. (Type)        | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |                                                       | Connection                    | InA         | Pkg (pcs.) |
|------------------------|--------|--------------|------|--------------|------|---------|----------|------------|-------------------------------------------------------|-------------------------------|-------------|------------|
|                        |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs                                                  |                               |             |            |
| 202060 (ROS 11/I-01)   |        | 4            | -    | -            | -    | -       | -        | -          | 2xMCB 32 A 3P-C                                       | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202062 (ROS 11/I-11)   |        | 2            | 1    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202063 (ROS 11/I-11/S) |        |              |      |              |      | -       | 2        |            |                                                       |                               |             |            |
| 202064 (ROS 11/I-12)   |        | 2            | 1    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202065 (ROS 11/I-12/S) |        |              |      |              |      | -       | 2        |            |                                                       |                               |             |            |
| 202066 (ROS 11/I-13)   |        | 2            | 1    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202067 (ROS 11/I-13/S) |        |              |      |              |      | -       | 2        |            |                                                       |                               |             |            |
| 202068 (ROS 11/I-14)   |        | 1            | 2    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202069 (ROS 11/I-14/S) |        |              |      |              |      | -       | 2        |            |                                                       |                               |             |            |
| 202070 (ROS 11/I-15)   |        | 1            | 2    | -            | -    | 2       | -        | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202071 (ROS 11/I-15/S) |        |              |      |              |      | -       | 2        |            |                                                       |                               |             |            |
| 202072 (ROS 11/I-16)   |        | 1            | 2    | -            | -    | 2       | -        | -          | 2xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202073 (ROS 11/I-16/S) |        |              |      |              |      | -       | 2        |            |                                                       |                               |             |            |
| 202074 (ROS 11/I-17)   |        | 1            | 2    | -            | -    | 2       | -        | -          | 2xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202075 (ROS 11/I-17/S) |        |              |      |              |      | -       | 2        |            |                                                       |                               |             |            |
| 202076 (ROS 11/I-21)   |        | 1            | 1    | -            | -    | 4       | -        | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202077 (ROS 11/I-21/S) |        |              |      |              |      | -       | 4        |            |                                                       |                               |             |            |
| 202078 (ROS 11/I-22)   |        | 1            | 1    | -            | -    | 4       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202079 (ROS 11/I-22/S) |        |              |      |              |      | -       | 4        |            |                                                       |                               |             |            |

InA = Rated current of switchgear and control gear assembly

**Distribution boxes ROS 11 IP54 protected (continued)**

| Ord. No. (Type)             | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V         |          | Protection |                                                       | Connection                    | InA         | Pkg (pcs.) |
|-----------------------------|--------|--------------|------|--------------|------|---------------|----------|------------|-------------------------------------------------------|-------------------------------|-------------|------------|
|                             |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr       | 16 A Sch | RCCB       | MCBs                                                  |                               |             |            |
| 202080 (ROS 11/I-23)        |        | 1            | 1    | -            | -    | 4             | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>4xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202081 (ROS 11/I-23/S)      |        |              |      |              |      | -             | 4        |            |                                                       |                               |             |            |
| 202082 (ROS 11/I-25)        |        | -            | -    | -            | -    | 7             | -        | -          | 3xMCB 16 A 1P-B                                       | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202083 (ROS 11/I-25/S)      |        |              |      |              |      | -             | 7        |            |                                                       |                               |             |            |
| 202084 (ROS 11/I-26)        |        | -            | -    | -            | -    | 7             | -        | -          | 7xMCB 16 A 1P-B                                       | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202085 (ROS 11/I-26/S)      |        |              |      |              |      | -             | 7        |            |                                                       |                               |             |            |
| 202086 (ROS 11/I-632)       |        | 1            | 1    | -            | -    | 2             | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202087 (ROS 11/I-632/S)     |        |              |      |              |      | -             | 2        |            |                                                       |                               |             |            |
| 202088 (ROS 11/I-32/24 V)   |        | 1            | 1    | -            | -    | 2             | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 6 A 1P-C<br>1xMCB 16 A 1P-B  | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202089 (ROS 11/I-32/24 V/S) |        |              |      |              |      | 1 x 24 V/10 A | 2        |            |                                                       |                               |             |            |
|                             |        |              |      |              |      | 1 x 24 V/10 A |          |            |                                                       |                               |             |            |
| 202090 (ROS 11/I-41)        |        | -            | -    | 4            | -    | -             | -        | -          | 2xMCB 32 A 3P-C                                       | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202092 (ROS 11/I-51)        |        | -            | -    | 2            | 1    | 2             | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202093 (ROS 11/I-51/S)      |        |              |      |              |      | -             | 2        |            |                                                       |                               |             |            |
| 202094 (ROS 11/I-52)        |        | -            | -    | 2            | 1    | 2             | -        | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202095 (ROS 11/I-52/S)      |        |              |      |              |      | -             | 2        |            |                                                       |                               |             |            |
| 202096 (ROS 11/I-53)        |        | -            | -    | 2            | 1    | 2             | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202097 (ROS 11/I-53/S)      |        |              |      |              |      | -             | 2        |            |                                                       |                               |             |            |
| 202098 (ROS 11/I-54)        |        | -            | -    | 1            | 2    | 2             | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202099 (ROS 11/I-54/S)      |        |              |      |              |      | -             | 2        |            |                                                       |                               |             |            |
| 202100 (ROS 11/I-55)        |        | -            | -    | 1            | 2    | 2             | -        | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202101 (ROS 11/I-55/S)      |        |              |      |              |      | -             | 2        |            |                                                       |                               |             |            |

InA = Rated current of switchgear and control gear assembly



**Distribution boxes ROS 11 IP54 protected (continued)**

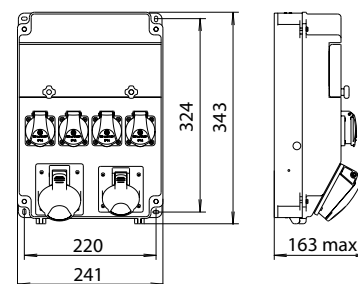
| Ord. No. (Type)        | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |                                                       | Connection                    | InA         | Pkg (pcs.) |
|------------------------|--------|--------------|------|--------------|------|---------|----------|------------|-------------------------------------------------------|-------------------------------|-------------|------------|
|                        |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs                                                  |                               |             |            |
| 202102 (ROS 11/I-56)   |        | -            | -    | 1            | 2    | 2       | -        | -          | 2xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202103 (ROS 11/I-56/S) |        | -            | -    | 1            | 2    | -       | 2        | -          | 2xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202104 (ROS 11/I-57)   |        | -            | -    | 1            | 2    | 2       | -        | -          | 2xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202105 (ROS 11/I-57/S) |        | -            | -    | 1            | 2    | -       | 2        | -          | 2xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202106 (ROS 11/I-65)   |        | 1            | 1    | -            | -    | 2       | -        | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202107 (ROS 11/I-65/S) |        | 1            | 1    | -            | -    | -       | 2        | -          | 1xMCB 32 A 3P-C<br>1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202108 (ROS 11/I-66)   |        | 2            | -    | -            | -    | 2       | -        | -          | 2xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202109 (ROS 11/I-66/S) |        | 2            | -    | -            | -    | -       | 2        | -          | 2xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202110 (ROS 11/I-64)   |        | -            | 2    | -            | -    | 2       | -        | -          | 2xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202111 (ROS 11/I-64/S) |        | -            | 2    | -            | -    | -       | 2        | -          | 2xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202112 (ROS 11/I-67)   |        | 1            | 1    | -            | -    | 3       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>3xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202113 (ROS 11/I-67/S) |        | 1            | 1    | -            | -    | -       | 3        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>3xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202114 (ROS 11/I-69)   |        | 2            | -    | -            | -    | 3       | -        | -          | 2xMCB 32 A 3P-C<br>3xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202115 (ROS 11/I-69/S) |        | 2            | -    | -            | -    | -       | 3        | -          | 2xMCB 32 A 3P-C<br>3xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202116 (ROS 11/I-68)   |        | -            | 2    | -            | -    | 3       | -        | -          | 2xMCB 16 A 3P-C<br>3xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202117 (ROS 11/I-68/S) |        | -            | 2    | -            | -    | -       | 3        | -          | 2xMCB 16 A 3P-C<br>3xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202118 (ROS 11/I-61)   |        | -            | -    | 1            | 1    | 4       | -        | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202119 (ROS 11/I-61/S) |        | -            | -    | 1            | 1    | -       | 4        | -          | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202120 (ROS 11/I-62)   |        | -            | -    | 1            | 1    | 4       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202121 (ROS 11/I-62/S) |        | -            | -    | 1            | 1    | -       | 4        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202122 (ROS 11/I-63)   |        | -            | -    | 1            | 1    | 4       | -        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>4xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202123 (ROS 11/I-63/S) |        | -            | -    | 1            | 1    | -       | 4        | -          | 1xMCB 16 A 3P-C<br>1xMCB 32 A 3P-C<br>4xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |

InA = Rated current of switchgear and control gear assembly



## Distribution boxes ROS 11 IP54 without MCBs, fully pre -wired

- Designed for wall mounting as part of a fixed wiring.
- Distribution boxes do not require any maintenance after installation.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Ord. No. 202168, 22169 with safety toroidal transformer (SELV) 24 V AC/150 VA.
- Pre-injected centric circles for glands on top:  
2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 343 x 241 x 163 mm (h x w x d).



Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP54  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C

202156

| Ord. No. (Type)         | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                    | InA         | Pkg (pcs.) |
|-------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------|-------------------------------|-------------|------------|
|                         |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                               |             |            |
| 202150 (ROS 11/x-01)    |        | 4            | -    | -            | -    | -       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202152 (ROS 11/x-03)    |        | -            | 4    | -            | -    | -       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 202154 (ROS 11/x-05)    |        | 2            | 2    | -            | -    | -       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 202156 (ROS 11/x-11)    |        | 2            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202157 (ROS 11/x-11/S)  |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 202158 (ROS 11/x-14)    |        | 1            | 2    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202159 (ROS 11/x-14/S)  |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 202160 (ROS 11/x-65)    |        | 1            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202161 (ROS 11/x-65/S)  |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 202162 (ROS 11/x-632)   |        | 1            | 1    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202163 (ROS 11/x-632/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 202164 (ROS 11/x-66)    |        | 2            | -    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202165 (ROS 11/x-66/S)  |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 202166 (ROS 11/x-64)    |        | -            | 2    | -            | -    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202167 (ROS 11/x-64/S)  |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |

InA = Rated current of switchgear and control gear assembly

**Distribution boxes ROS 11 IP54 without MCBs, fully pre-wired (continued)**

| Ord. No. (Type)             | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V         |          | Protection |      | Connection                    | InA         | Pkg (pcs.) |
|-----------------------------|--------|--------------|------|--------------|------|---------------|----------|------------|------|-------------------------------|-------------|------------|
|                             |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr       | 16 A Sch | RCCB       | MCBs |                               |             |            |
| 202168 (ROS 11/x-32/24 V)   |        | 1            | 1    | -            | -    | 2             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
|                             |        |              |      |              |      | 1 x 24 V/10 A |          |            |      |                               |             |            |
| 202169 (ROS 11/x-32/24 V/S) |        |              |      |              |      | -             | 2        |            |      |                               |             |            |
|                             |        |              |      |              |      | 1 x 24 V/10 A |          |            |      |                               |             |            |
| 202170 (ROS 11/x-67)        |        | 1            | 1    | -            | -    | 3             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202171 (ROS 11/x-67/S)      |        |              |      |              |      | -             | 3        |            |      |                               |             |            |
| 202172 (ROS 11/x-68)        |        | -            | 2    | -            | -    | 3             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202173 (ROS 11/x-68/S)      |        |              |      |              |      | -             | 3        |            |      |                               |             |            |
| 202174 (ROS 11/x-70)        |        | -            | 1    | -            | -    | 3             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202175 (ROS 11/x-70/S)      |        |              |      |              |      | -             | 3        |            |      |                               |             |            |
| 202176 (ROS 11/x-69)        |        | 2            | -    | -            | -    | 3             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202177 (ROS 11/x-69/S)      |        |              |      |              |      | -             | 3        |            |      |                               |             |            |
| 202178 (ROS 11/x-21)        |        | 1            | 1    | -            | -    | 4             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202179 (ROS 11/x-21/S)      |        |              |      |              |      | -             | 4        |            |      |                               |             |            |
| 202180 (ROS 11/x-22)        |        | 2            | -    | -            | -    | 4             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202181 (ROS 11/x-22/S)      |        |              |      |              |      | -             | 4        |            |      |                               |             |            |
| 202182 (ROS 11/x-23)        |        | -            | 2    | -            | -    | 4             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202183 (ROS 11/x-23/S)      |        |              |      |              |      | -             | 4        |            |      |                               |             |            |
| 202184 (ROS 11/x-25)        |        | -            | -    | -            | -    | 7             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202185 (ROS 11/x-25/S)      |        |              |      |              |      | -             | 7        |            |      |                               |             |            |
| 202186 (ROS 11/x-41)        |        | -            | -    | 4            | -    | -             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202188 (ROS 11/x-43)        |        | -            | -    | -            | 4    | -             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |
| 202190 (ROS 11/x-45)        |        | -            | -    | 2            | 2    | -             | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>16 A | 1          |

InA = Rated current of switchgear and control gear assembly



**Distribution boxes ROS 11 IP54 without MCBs, fully pre -wired (continued)**

| Ord. No. (Type)        | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection |      | Connection                    | InA         | Pkg (pcs.) |
|------------------------|--------|--------------|------|--------------|------|---------|----------|------------|------|-------------------------------|-------------|------------|
|                        |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB       | MCBs |                               |             |            |
| 202192 (ROS 11/x-51)   |        | -            | -    | 2            | 1    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202193 (ROS 11/x-51/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 202194 (ROS 11/x-54)   |        | -            | -    | 1            | 2    | 2       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202195 (ROS 11/x-54/S) |        | -            | -    | -            | -    | -       | 2        | -          | -    | -                             | -           | -          |
| 202196 (ROS 11/x-61)   |        | -            | -    | 1            | 1    | 4       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 1          |
| 202197 (ROS 11/x-61/S) |        | -            | -    | -            | -    | -       | 4        | -          | -    | -                             | -           | -          |
| 202198 (ROS 11/x-62)   |        | -            | -    | 2            | -    | 4       | -        | -          | -    | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>40 A | 1          |
| 202199 (ROS 11/x-62/S) |        | -            | -    | -            | -    | -       | 4        | -          | -    | -                             | -           | -          |

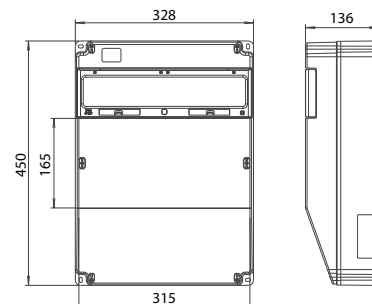
InA = Rated current of switchgear and control gear assembly





## Distribution boxes ROS 16 IP54 a IP66

- ROS 16/FI - Standard = distribution boxes are fully equipped with the necessary MCBs and RCCB.
- ROS 16/I - Economic = basic number MCBs.
- ROS 16/x - Unprotected = without MCBs, precabling ready for installation MCBs according to the Standard version.
- Designed for wall mounting as part of a fixed wiring.
- Cover resistant against excessive heat and fire (650 °C).
- Pre-injected centric circles for glands from top and bottom: 2x (M32; M40), 1x (M25; M32; M40; M50); rear 1x (23.5 to 52.5 mm).
- Supplied gland M 40 in combinations without inlet.
- Max. cable entry: 5 x 25 mm<sup>2</sup>.
- Dimensions 450 x 328 x 136 mm (h x w x d).



|                               |                                |
|-------------------------------|--------------------------------|
| Complies with standards::     | STN EN 61439-1, STN EN 61439-3 |
| Mechanical resistance of box: | IK10                           |
| Material:                     | ABS                            |
| Nominal working voltage:      | 400 V~, 250 V~, 50/60 Hz       |
| Operating temperature:        | -25 °C to +55 °C               |

203080

| Ord. No. (Type)          | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Connection                     | Degree of protection | InA      | RDF | Pkg (pcs.) |
|--------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|--------------------------------|----------------------|----------|-----|------------|
|                          |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                                |                      |          |     |            |
| 203000 (ROS 16/FI-103)   |        | -            | 1    | 1    | 4       | -        | -           | 1             | 1         | 1         | 4         | 5 x 25 mm² r<br>5 x 16 mm² M40 | IP54                 | InA 63 A | 0,6 | 1          |
| 203001 (ROS 16/FI-103/S) |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203002 (ROS 16/I-103)    |        |              |      |      | 4       | -        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203003 (ROS 16/I-103/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203004 (ROS 16/x-103)    |        |              |      |      | 4       | -        |             | -             |           |           |           |                                |                      |          |     |            |
| 203005 (ROS 16/x-103/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203006 (ROS 16/FI-104)   |        | -            | 1    | 1    | 6       | -        | -           | 1             | 1         | 1         | 6         | 5 x 25 mm² r<br>5 x 16 mm² M40 | IP54                 | InA 63 A | 0,6 | 1          |
| 203007 (ROS 16/FI-104/S) |        |              |      |      | -       | 6        |             | -             | 1         | 1         | 3         |                                |                      |          |     |            |
| 203008 (ROS 16/I-104)    |        |              |      |      | 6       | -        |             | -             | 1         | 1         | 3         |                                |                      |          |     |            |
| 203009 (ROS 16/I-104/S)  |        |              |      |      | -       | 6        |             | -             | 1         | 1         | 3         |                                |                      |          |     |            |
| 203010 (ROS 16/x-104)    |        |              |      |      | 6       | -        |             | -             |           |           |           |                                |                      |          |     |            |
| 203011 (ROS 16/x-104/S)  |        |              |      |      | -       | 6        |             | -             | 1         | 1         | 3         |                                |                      |          |     |            |
| 203012 (ROS 16/FI-108)   |        | -            | 1    | 1    | 12      | -        | -           | 1             | 1         | 1         | 6         | 5 x 25 mm² r<br>5 x 16 mm² M40 | IP54                 | InA 63 A | 0,6 | 1          |
| 203013 (ROS 16/FI-108/S) |        |              |      |      | -       | 12       |             | -             | 1         | 1         | 4         |                                |                      |          |     |            |
| 203014 (ROS 16/I-108)    |        |              |      |      | 12      | -        |             | -             | 1         | 1         | 4         |                                |                      |          |     |            |
| 203015 (ROS 16/I-108/S)  |        |              |      |      | -       | 12       |             | -             | 1         | 1         | 4         |                                |                      |          |     |            |
| 203016 (ROS 16/x-108)    |        |              |      |      | 12      | -        |             | -             |           |           |           |                                |                      |          |     |            |
| 203017 (ROS 16/x-108/S)  |        |              |      |      | -       | 12       |             | -             | 1         | 1         | 4         |                                |                      |          |     |            |
| 203018 (ROS 16/FI-111)   |        | -            | 1    | 2    | 4       | -        | -           | 1             | 1         | 2         | 2         | 5 x 25 mm² r<br>5 x 16 mm² M40 | IP54                 | InA 63 A | 0,6 | 1          |
| 203019 (ROS 16/FI-111/S) |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203020 (ROS 16/I-111)    |        |              |      |      | 4       | -        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203021 (ROS 16/I-111/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203022 (ROS 16/x-111)    |        |              |      |      | 4       | -        |             | -             |           |           |           |                                |                      |          |     |            |
| 203023 (ROS 16/x-111/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203024 (ROS 16/FI-112)   |        | -            | 1    | 2    | 6       | -        | -           | 1             | 1         | 2         | 3         | 5 x 25 mm² r<br>5 x 16 mm² M40 | IP54                 | InA 63 A | 0,6 | 1          |
| 203025 (ROS 16/FI-112/S) |        |              |      |      | -       | 6        |             | -             | 1         | 1         | 3         |                                |                      |          |     |            |
| 203026 (ROS 16/I-112)    |        |              |      |      | 6       | -        |             | -             | 1         | 1         | 3         |                                |                      |          |     |            |
| 203027 (ROS 16/I-112/S)  |        |              |      |      | -       | 6        |             | -             | 1         | 1         | 3         |                                |                      |          |     |            |
| 203028 (ROS 16/x-112)    |        |              |      |      | 6       | -        |             | -             |           |           |           |                                |                      |          |     |            |
| 203029 (ROS 16/x-112/S)  |        |              |      |      | -       | 6        |             | -             | 1         | 1         | 3         |                                |                      |          |     |            |
| 203030 (ROS 16/FI-117)   |        | -            | 2    | 1    | 4       | -        | -           | 1             | 2         | 1         | 2         | 5 x 25 mm² r<br>5 x 16 mm² M40 | IP54                 | InA 63 A | 0,5 | 1          |
| 203031 (ROS 16/FI-117/S) |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203032 (ROS 16/I-117)    |        |              |      |      | 4       | -        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203033 (ROS 16/I-117/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203034 (ROS 16/x-117)    |        |              |      |      | 4       | -        |             | -             |           |           |           |                                |                      |          |     |            |
| 203035 (ROS 16/x-117/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203036 (ROS 16/FI-123)   |        | -            | 2    | 2    | 4       | -        | -           | 1             | 1         | 2         | 2         | 5 x 25 mm² r<br>5 x 16 mm² M40 | IP54                 | InA 63 A | 0,6 | 1          |
| 203037 (ROS 16/FI-123/S) |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203038 (ROS 16/I-123)    |        |              |      |      | 4       | -        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203039 (ROS 16/I-123/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |
| 203040 (ROS 16/x-123)    |        |              |      |      | 4       | -        |             | -             |           |           |           |                                |                      |          |     |            |
| 203041 (ROS 16/x-123/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                |                      |          |     |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

**Distribution boxes ROS 16 IP54 and IP66 (continued)**

| Ord. No. (Type)          | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Connection                        | Degree of protection | InA      | RDF | Pkg (pcs.) |
|--------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|-----------------------------------|----------------------|----------|-----|------------|
|                          |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                                   |                      |          |     |            |
| 203042 (ROS 16/FI-128)   |        | -            | 2    | 3    | 3       | -        | -           | 1             | 1         | 2         | 3         | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,6 | 1          |
| 203043 (ROS 16/FI-128/S) |        |              |      |      | -       | 3        |             | -             | 1         | 1         | 3         |                                   |                      |          | 1,0 |            |
| 203044 (ROS 16/I-128)    |        |              |      |      | 3       | -        |             | -             | 1         | 1         | 3         |                                   |                      |          | 0,6 |            |
| 203045 (ROS 16/I-128/S)  |        |              |      |      | -       | 3        |             | -             |           |           | 1,0       |                                   |                      |          |     |            |
| 203046 (ROS 16/x-128)    |        |              |      |      | 3       | -        |             | -             |           |           | 0,6       |                                   |                      |          |     |            |
| 203047 (ROS 16/x-128/S)  |        |              |      |      | -       | 3        |             | -             |           |           | 0,6       |                                   |                      |          |     |            |
| 203048 (ROS 16/FI-134)   |        | -            | -    | -    | 15      | -        | -           | 1             | -         | -         | 10        | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,8 | 1          |
| 203049 (ROS 16/FI-134/S) |        |              |      |      | -       | 15       |             | -             | 1         | -         | 5         |                                   |                      |          | 1,0 |            |
| 203050 (ROS 16/I-134)    |        |              |      |      | 15      | -        |             | -             | -         | 5         | 0,8       |                                   |                      |          |     |            |
| 203051 (ROS 16/I-134/S)  |        |              |      |      | -       | 15       |             | -             |           |           | 1,0       |                                   |                      |          |     |            |
| 203052 (ROS 16/x-134)    |        |              |      |      | 15      | -        |             | -             |           |           | 0,8       |                                   |                      |          |     |            |
| 203053 (ROS 16/x-134/S)  |        |              |      |      | -       | 15       |             | -             |           |           | 0,8       |                                   |                      |          |     |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

**with 63 A socket**

| Ord. No. (Type)          | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Connection                        | Degree of protection | InA      | RDF | Pkg (pcs.) |   |   |     |
|--------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|-----------------------------------|----------------------|----------|-----|------------|---|---|-----|
|                          |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                                   |                      |          |     |            |   |   |     |
| 203070 (ROS 16/FI-203)   |        | 1            | 1    | 1    | 4       | -        | -           | 1             | 1         | 1         | 4         | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,4 | 1          |   |   |     |
| 203071 (ROS 16/FI-203/S) |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 4         |                                   |                      |          | 0,5 |            |   |   |     |
| 203072 (ROS 16/I-203)    |        |              |      |      | 4       | -        |             |               | 1         | 1         | 2         |                                   |                      |          | 0,4 |            |   |   |     |
| 203073 (ROS 16/I-203/S)  |        |              |      |      | -       | 4        |             |               | -         | -         | -         |                                   |                      |          | 0,4 |            |   |   |     |
| 203074 (ROS 16/x-203)    |        |              |      |      | 4       | -        |             |               |           |           |           |                                   |                      |          | 0,4 |            |   |   |     |
| 203075 (ROS 16/x-203/S)  |        |              |      |      | -       | 4        |             |               |           |           |           |                                   |                      |          | 0,4 |            |   |   |     |
| 203076 (ROS 16/FI-206)   |        | 1            | 1    | 1    | 10      | -        | -           | 1             | 1         | 1         | 5         | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,4 | 1          |   |   |     |
| 203077 (ROS 16/FI-206/S) |        |              |      |      | -       | 10       |             | -             | 1         | 1         | 3         |                                   |                      |          | 0,5 |            |   |   |     |
| 203078 (ROS 16/I-206)    |        |              |      |      | 10      | -        |             |               |           |           |           |                                   |                      |          | 1   |            | 1 | 3 | 0,4 |
| 203079 (ROS 16/I-206/S)  |        |              |      |      | -       | 10       |             |               |           |           |           |                                   |                      |          | -   |            | - | - | 0,5 |
| 203080 (ROS 16/x-206)    |        |              |      |      | 10      | -        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,4 |
| 203081 (ROS 16/x-206/S)  |        |              |      |      | -       | 10       |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,4 |
| 203082 (ROS 16/FI-209)   |        | 1            | 1    | 2    | 4       | -        | -           | 1             | 1         | 2         | 2         | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,4 | 1          |   |   |     |
| 203083 (ROS 16/FI-209/S) |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                   |                      |          | 0,5 |            |   |   |     |
| 203084 (ROS 16/I-209)    |        |              |      |      | 4       | -        |             |               |           |           |           |                                   |                      |          | 1   |            | 1 | 2 | 0,4 |
| 203085 (ROS 16/I-209/S)  |        |              |      |      | -       | 4        |             |               |           |           |           |                                   |                      |          | -   |            | - | - | 0,4 |
| 203086 (ROS 16/x-209)    |        |              |      |      | 4       | -        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,4 |
| 203087 (ROS 16/x-209/S)  |        |              |      |      | -       | 4        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,4 |
| 203088 (ROS 16/FI-215)   |        | 1            | 2    | 1    | 4       | -        | -           | 1             | 2         | 1         | 2         | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,3 | 1          |   |   |     |
| 203089 (ROS 16/FI-215/S) |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                   |                      |          | 0,5 |            |   |   |     |
| 203090 (ROS 16/I-215)    |        |              |      |      | 4       | -        |             |               |           |           |           |                                   |                      |          | 1   |            | 1 | 2 | 0,3 |
| 203091 (ROS 16/I-215/S)  |        |              |      |      | -       | 4        |             |               |           |           |           |                                   |                      |          | -   |            | - | - | 0,3 |
| 203092 (ROS 16/x-215)    |        |              |      |      | 4       | -        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,3 |
| 203093 (ROS 16/x-215/S)  |        |              |      |      | -       | 4        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,3 |
| 203094 (ROS 16/FI-221)   |        | 1            | 2    | 2    | 4       | -        | -           | 1             | 1         | 2         | 2         | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,4 | 1          |   |   |     |
| 203095 (ROS 16/FI-221/S) |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                   |                      |          | 0,5 |            |   |   |     |
| 203096 (ROS 16/I-221)    |        |              |      |      | 4       | -        |             |               |           |           |           |                                   |                      |          | 1   |            | 1 | 2 | 0,4 |
| 203097 (ROS 16/I-221/S)  |        |              |      |      | -       | 4        |             |               |           |           |           |                                   |                      |          | -   |            | - | - | 0,4 |
| 203098 (ROS 16/x-221)    |        |              |      |      | 4       | -        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,4 |
| 203099 (ROS 16/x-221/S)  |        |              |      |      | -       | 4        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,4 |
| 203100 (ROS 16/FI-225)   |        | 1            | 2    | 3    | 3       | -        | -           | 1             | 1         | 2         | 3         | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,4 | 1          |   |   |     |
| 203101 (ROS 16/FI-225/S) |        |              |      |      | -       | 3        |             | -             | 1         | 1         | 3         |                                   |                      |          | 0,5 |            |   |   |     |
| 203102 (ROS 16/I-225)    |        |              |      |      | 3       | -        |             |               |           |           |           |                                   |                      |          | 1   |            | 1 | 3 | 0,4 |
| 203103 (ROS 16/I-225/S)  |        |              |      |      | -       | 3        |             |               |           |           |           |                                   |                      |          | -   |            | - | - | 0,4 |
| 203104 (ROS 16/x-225)    |        |              |      |      | 3       | -        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,4 |
| 203105 (ROS 16/x-225/S)  |        |              |      |      | -       | 3        |             |               |           |           |           |                                   |                      |          |     |            |   |   | 0,4 |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly



## Distribution boxes ROS 16 IP54 and IP66 (continued) with 63 A straight inlet

| Ord. No. (Type)          | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Connection                 | Degree of protection | InA      | RDF | Pkg (pcs.) |  |  |  |  |
|--------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|----------------------------|----------------------|----------|-----|------------|--|--|--|--|
|                          |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                            |                      |          |     |            |  |  |  |  |
| 203130 (ROS 16/FI-304)   |        | 1            | 1    | 1    | 6       | -        | -           | 1             | 1         | 1         | 6         | CEE inlet<br>63 A/5P/400 V | IP54                 | InA 63 A | 0,6 | 1          |  |  |  |  |
| 203131 (ROS 16/FI-304/S) |        |              |      |      | -       | 6        |             | -             | 1         | 1         | 3         |                            |                      |          |     |            |  |  |  |  |
| 203132 (ROS 16/I-304)    |        |              |      |      | 6       | -        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |
| 203133 (ROS 16/I-304/S)  |        |              |      |      | -       | 6        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |
| 203134 (ROS 16/x-304)    |        |              |      |      | 6       | -        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |
| 203135 (ROS 16/x-304/S)  |        |              |      |      | -       | 6        |             | -             |           |           |           |                            |                      |          | 0,6 |            |  |  |  |  |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

## with 63 A switch

| Ord. No. (Type)           | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Connection                        | Degree of protection | InA      | RDF | Pkg (pcs.) |  |  |  |  |
|---------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|-----------------------------------|----------------------|----------|-----|------------|--|--|--|--|
|                           |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                                   |                      |          |     |            |  |  |  |  |
| 203150 (ROS 16/FI-412)    |        | -            | 1    | 2    | 4       | -        | 1           | 1             | 1         | 2         | 2         | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP54                 | InA 63 A | 0,6 | 1          |  |  |  |  |
| 203151 (ROS 16/FI-412/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                                   |                      |          |     |            |  |  |  |  |
| 203152 (ROS 16/I-412)     |        |              |      |      | 4       | -        |             |               |           |           |           |                                   |                      |          |     |            |  |  |  |  |
| 203153 (ROS 16/I-412/S)   |        |              |      |      | -       | 4        |             |               |           |           |           |                                   |                      |          |     |            |  |  |  |  |
| 203154 (ROS 16/x-412)     |        |              |      |      | 4       | -        |             | -             |           |           |           |                                   |                      |          | 0,6 |            |  |  |  |  |
| 203155 (ROS 16/x-412/S)   |        | -            | 1    | 2    | -       | 4        | 1           | -             |           |           |           | 5 x 25 mm² r<br>5 x 16 mm²<br>M40 | IP66                 | InA 63 A | 0,6 | 1          |  |  |  |  |
| 203156 (ROSG 16/FI-411)   |        |              |      |      | 3       | -        |             | 1             | 1         | 2         | 2         |                                   |                      |          |     |            |  |  |  |  |
| 203157 (ROSG 16/FI-411/S) |        |              |      |      | -       | 3        |             |               |           |           |           |                                   |                      |          |     |            |  |  |  |  |
| 203158 (ROSG 16/I-411)    |        |              |      |      | 3       | -        |             |               |           |           |           |                                   |                      |          |     |            |  |  |  |  |
| 203159 (ROSG 16/I-411/S)  |        |              |      |      | -       | 3        |             |               |           |           |           |                                   |                      |          |     |            |  |  |  |  |
| 203160 (ROSG 16/x-411)    |        |              |      |      | 3       | -        |             |               |           |           |           |                                   |                      |          | -   |            |  |  |  |  |
| 203161 (ROSG 16/x-411/S)  |        |              |      |      | -       | 3        |             | -             |           |           |           |                                   |                      |          | 0,6 |            |  |  |  |  |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

## with 63 A switch and inlet

| Ord. No. (Type)           | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Connection                 | Degree of protection | InA      | RDF | Pkg (pcs.) |  |  |  |  |  |
|---------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|----------------------------|----------------------|----------|-----|------------|--|--|--|--|--|
|                           |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                            |                      |          |     |            |  |  |  |  |  |
| 203180 (ROS 16/FI-516)    |        | -            | 2    | 2    | 4       | -        | 1           | 1             | 1         | 2         | 2         | CEE inlet<br>63 A/5P/400 V | IP54                 | InA 63 A | 0,6 | 1          |  |  |  |  |  |
| 203181 (ROS 16/FI-516/S)  |        |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                            |                      |          |     |            |  |  |  |  |  |
| 203182 (ROS 16/I-516)     |        |              |      |      | 4       | -        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |  |
| 203183 (ROS 16/I-516/S)   |        |              |      |      | -       | 4        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |  |
| 203184 (ROS 16/x-516)     |        |              |      |      | 4       | -        |             | -             |           |           |           |                            |                      |          | 0,6 |            |  |  |  |  |  |
| 203185 (ROS 16/x-516/S)   |        | -            | 1    | 2    | -       | 4        | 1           | 1             | 1         | 2         | 2         | CEE inlet<br>63 A/5P/400 V | IP66                 | InA 63 A | 0,6 | 1          |  |  |  |  |  |
| 203186 (ROSG 16/FI-506)   |        |              |      |      | 2       | -        |             | -             | 1         | 1         | 1         |                            |                      |          |     |            |  |  |  |  |  |
| 203187 (ROSG 16/FI-506/S) |        |              |      |      | -       | 2        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |  |
| 203188 (ROSG 16/I-506)    |        |              |      |      | 2       | -        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |  |
| 203189 (ROSG 16/I-506/S)  |        |              |      |      | -       | 2        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |  |
| 203190 (ROSG 16/x-506)    |        |              |      |      | 2       | -        |             | -             |           |           |           |                            |                      |          | 0,6 |            |  |  |  |  |  |
| 203191 (ROSG 16/x-506/S)  |        |              |      |      | -       | 2        |             | -             |           |           |           |                            |                      |          | 0,6 |            |  |  |  |  |  |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

## with 63 A socket, main switch, straight inlet and the possibility of looping

| Ord. No. (Type)          | Layout                                                                              | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Connection                 | Degree of protection | InA      | RDF | Pkg (pcs.) |  |  |  |  |  |
|--------------------------|-------------------------------------------------------------------------------------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|----------------------------|----------------------|----------|-----|------------|--|--|--|--|--|
|                          |                                                                                     | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                            |                      |          |     |            |  |  |  |  |  |
| 203200 (ROS 16/FI-603)   |  | 1            | 1    | 1    | 4       | -        | 1           | 1             | 1         | 1         | 4         | CEE inlet<br>63 A/5P/400 V | IP54                 | InA 63 A | 0,4 | 1          |  |  |  |  |  |
| 203201 (ROS 16/FI-603/S) |                                                                                     |              |      |      | -       | 4        |             | -             | 1         | 1         | 2         |                            |                      |          |     |            |  |  |  |  |  |
| 203202 (ROS 16/I-603)    |                                                                                     |              |      |      | 4       | -        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |  |
| 203203 (ROS 16/I-603/S)  |                                                                                     |              |      |      | -       | 4        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |  |
| 203204 (ROS 16/x-603)    |                                                                                     |              |      |      | 4       | -        |             | -             |           |           |           |                            |                      |          | 0,4 |            |  |  |  |  |  |
| 203205 (ROS 16/x-603/S)  |                                                                                     |              |      |      | -       | 4        |             |               |           |           |           |                            |                      |          |     |            |  |  |  |  |  |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

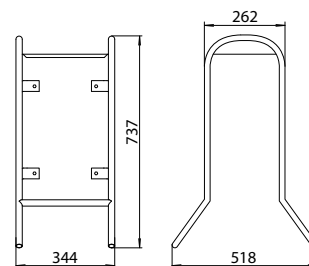
### Distribution boxes on stand ROS 11S IP54 with RCCB

- Using in exterior or interior, residential sector, building sites and industrial zones.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Pre-injected centric circles for glands on top:  
2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 737 x 344 x 262/518 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK10  
Degree of protection: IP54  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



204000



| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                          |                                    | Connection                    | InA         | RDF | Pkg (pcs.) |
|--------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------------------|------------------------------------|-------------------------------|-------------|-----|------------|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                                | MCBs                               |                               |             |     |            |
| 204000 (ROS 11S/FI-12)   |        | 2            | 1    | -            | -    | 2       | -        | 1xRCCB<br>40 A/4/0,03 A<br>(Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 0,5 | 1          |
| 204001 (ROS 11S/FI-12/S) |        |              |      |              |      | -       | 2        |                                     |                                    |                               |             |     |            |
| 204002 (ROS 11S/FI-14)   |        | 1            | 2    | -            | -    | 2       | -        | 1xRCCB<br>40 A/4/0,03 A<br>(Type A) | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 0,5 | 1          |
| 204003 (ROS 11S/FI-14/S) |        |              |      |              |      | -       | 2        |                                     |                                    |                               |             |     |            |
| 204004 (ROS 11S/FI-21)   |        | 1            | 1    | -            | -    | 4       | -        | 1xRCCB<br>40 A/4/0,03 A<br>(Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 6 mm <sup>2</sup><br>M 32 | InA<br>32 A | 0,5 | 1          |
| 204005 (ROS 11S/FI-21/S) |        |              |      |              |      | -       | 4        |                                     |                                    |                               |             |     |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly



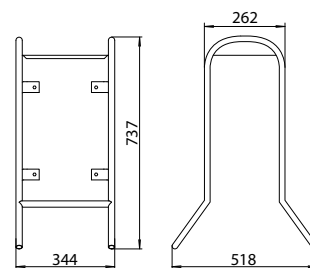
### Distribution boxes on stand ROS 11S IP54 with RCCB and supply cable

- Using in exterior or interior, residential sector, building sites and industrial zones.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Supply cable 2 m terminated with a plug 32 A/5P/400 V.
- Pre-injected centric circles for glands on top: 2x (M25; M32); bottom and rear: 1x (M25; M32).
- Dimensions 737 x 344 x 262/518 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP54  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



204020



| Ord. No. (Type)            | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                          |                                    | Connection                              | InA         | RDF | Pkg (pcs.) |
|----------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------------------|------------------------------------|-----------------------------------------|-------------|-----|------------|
|                            |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                                | MCBs                               |                                         |             |     |            |
| 204020 (ROS 11S/FI-12/P)   |        | 2            | 1    | -            | -    | 2       | -        | 1xRCCB<br>40 A/4/0,03 A<br>(Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | cable 2 m<br>with plug<br>32 A/5P/400 V | InA<br>32 A | 0,5 | 1          |
| 204021 (ROS 11S/FI-12/P/S) |        |              |      |              |      | -       | 2        |                                     |                                    |                                         |             |     |            |
| 204022 (ROS 11S/FI-14/P)   |        | 1            | 2    | -            | -    | 2       | -        | 1xRCCB<br>40 A/4/0,03 A<br>(Type A) | 1xMCB 16 A 3P-C<br>1xMCB 16 A 1P-B | cable 2 m<br>with plug<br>32 A/5P/400 V | InA<br>32 A | 0,5 | 1          |
| 204023 (ROS 11S/FI-14/P/S) |        |              |      |              |      | -       | 2        |                                     |                                    |                                         |             |     |            |
| 204024 (ROS 11S/FI-21/P)   |        | 1            | 1    | -            | -    | 4       | -        | 1xRCCB<br>40 A/4/0,03 A<br>(Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | cable 2 m<br>with plug<br>32 A/5P/400 V | InA<br>32 A | 0,5 | 1          |
| 204025 (ROS 11S/FI-21/P/S) |        |              |      |              |      | -       | 4        |                                     |                                    |                                         |             |     |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

### Portable distribution boxes ROS 12SD IP44, handle

- Distribution boxes with handle have been designed to be part of mobile wiring.
- Using in exterior or interior, residential sector, building sites and industrial zones.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Pre-injected centric circles for glands bottom: 1x (M25; M32).
- Dimensions 385 x 195 x 215 (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK08  
 Degree of protection: IP44  
 Material: ABS  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



204040

| Ord. No. (Type)             | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                          |                                    | Connection                              | InA         | RDF  | Pkg (pcs.) |
|-----------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------------------|------------------------------------|-----------------------------------------|-------------|------|------------|
|                             |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                                | MCBs                               |                                         |             |      |            |
| 204040 (ROS 12SD/FI-21/P)   |        | 1            | 1    | -            | -    | 4       | -        | 1xRCCB<br>40 A/4/0,03 A<br>(Type A) | 1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | cable 2 m<br>with plug<br>32 A/5P/400 V | InA<br>32 A | 0,5  | 1          |
| 204041 (ROS 12SD/FI-21/P/S) |        |              |      |              |      | -       | 4        |                                     |                                    |                                         |             |      |            |
| 204042 (ROS 12SD/FI-27/P)   |        | -            | -    | -            | -    | 6       | -        | 1xRCCB<br>40 A/4/0,03 A<br>(Type A) | 3xMCB 16 A 1P-B                    | cable 2 m<br>with plug<br>16 A/5P/400 V | InA<br>16 A | 0,5  | 1          |
| 204043 (ROS 12SD/FI-27/P/S) |        |              |      |              |      | -       | 6        |                                     |                                    |                                         |             |      |            |
| 204044 (ROS 12SD/23/P)      |        | -            | 2    | -            | -    | 4       | -        | -                                   | -                                  | cable 2 m<br>with plug<br>16 A/5P/400 V | InA<br>16 A | 0,25 | 1          |
| 204045 (ROS 12SD/23/P/S)    |        |              |      |              |      | -       | 4        |                                     |                                    |                                         |             |      |            |
| 204046 (ROS 12SD/24/PR)     |        | -            | 1    | -            | -    | 4       | -        | -                                   | -                                  | CEE<br>inlet<br>16 A/5P/400 V           | InA<br>16 A | 0,35 | 1          |
| 204047 (ROS 12SD/24/PR/S)   |        |              |      |              |      | -       | 4        |                                     |                                    |                                         |             |      |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

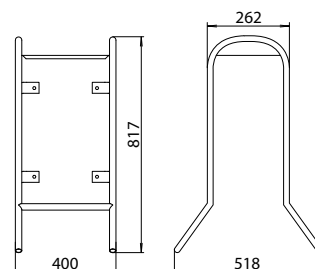




### Distribution boxes on stand ROS 16S IP54 and IP66 with RCCB

- ROS 16S/FI - Standard = distribution boxes are fully equipped with the necessary MCBs and RCCB.
- Distribution boxes with handle have been designed to be part of mobile wiring.
- Using in exterior or interior, residential sector, building sites and industrial zones.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Possibility of locking in position 0.
- Pre-injected centric circles for glands from top and bottom: 2x(M32; M40), 1x(M25; M32; M40; M50); rear 1x (23,5 to 52,5 mm).
- Supplied gland M 40 in combinations without inlet.
- Max. cable entry: 5 x 25 mm<sup>2</sup>.
- Dimensions 817 x 400 x 262/518 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
Mechanical resistance of box: IK08  
Material: ABS  
Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
Operating temperature: -25 °C to +55 °C



### with 63 A switch

| Ord. No. (Type)            | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Degree of protection | InA      | RDF | Pkg (pcs.) |
|----------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|----------------------|----------|-----|------------|
|                            |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                      |          |     |            |
| 204060 (ROS 16S/FI-425)    |        | -            | 2    | 3    | 3       | -        | 1           | 1             | 1         | 2         | 3         | IP54                 | InA 63 A | 0,6 | 1          |
| 204061 (ROS 16S/FI-425/S)  |        | -            | -    | -    | -       | 3        | -           | -             | -         | -         | -         | -                    | -        | -   | -          |
| 204062 (ROSG 16S/FI-412)   |        | -            | 1    | 2    | 4       | -        | 1           | 1             | 1         | 2         | 3         | IP66                 | InA 63 A | 0,6 | 1          |
| 204063 (ROSG 16S/FI-412/S) |        | -            | -    | -    | -       | 4        | -           | -             | -         | -         | -         | -                    | -        | -   | -          |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

### with 63 A switch and inlet

| Ord. No. (Type)            | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Degree of protection | InA      | RDF | Pkg (pcs.) |
|----------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|----------------------|----------|-----|------------|
|                            |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                      |          |     |            |
| 204070 (ROS 16S/FI-506)    |        | -            | 1    | 2    | 2       | -        | 1           | 1             | 1         | 2         | 2         | IP54                 | InA 63 A | 0,6 | 1          |
| 204071 (ROS 16S/FI-506/S)  |        | -            | -    | -    | -       | 2        | -           | -             | -         | -         | -         | -                    | -        | -   | -          |
| 204072 (ROSG 16S/FI-506)   |        | -            | 1    | 2    | 2       | -        | 1           | 1             | 1         | 2         | 2         | IP66                 | InA 63 A | 0,6 | 1          |
| 204073 (ROSG 16S/FI-506/S) |        | -            | -    | -    | -       | 2        | -           | -             | -         | -         | -         | -                    | -        | -   | -          |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

### with 63 A socket, main switch, straight inlet and the possibility of looping

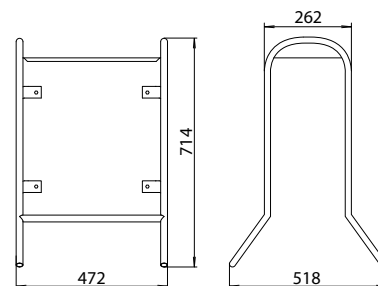
| Ord. No. (Type)            | Layout | CEE 400 V 5P |      |      | 250 V   |          | Main switch | RCCB          | MCBs      |           |           | Degree of protection | InA      | RDF | Pkg (pcs.) |
|----------------------------|--------|--------------|------|------|---------|----------|-------------|---------------|-----------|-----------|-----------|----------------------|----------|-----|------------|
|                            |        | 63 A         | 32 A | 16 A | 16 A Fr | 16 A Sch | 63 A        | 63 A/4/0,03 A | 32 A 3P-C | 16 A 3P-C | 16 A 1P-B |                      |          |     |            |
| 204080 (ROS 16S/FI-601)    |        | 1            | 1    | 1    | 2       | -        | 1           | 1             | 1         | 1         | 2         | IP54                 | InA 63 A | 0,4 | 1          |
| 204081 (ROS 16S/FI-601/S)  |        | -            | -    | -    | -       | 2        | -           | -             | -         | -         | -         | -                    | -        | -   | -          |
| 204082 (ROSG 16S/FI-601)   |        | 1            | 1    | 1    | 2       | -        | 1           | 1             | 1         | 1         | 2         | IP66                 | InA 63 A | 0,4 | 1          |
| 204083 (ROSG 16S/FI-601/S) |        | -            | -    | -    | -       | 2        | -           | -             | -         | -         | -         | -                    | -        | -   | -          |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

### Distribution boxes on stand ROS 12S IP54 with RCCB and switch

- Distribution boxes with handle have been designed to be part of mobile wiring.
- Using in exterior or interior, residential sector, building sites and industrial zones.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Possibility of locking in position 0.
- Dimensions 714 x 472 x 262/518 mm (h x w x d).

Complies with standards:: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP65 - Ord. No. 204120, 204121  
 IP54  
 Material: Glass fiber reinforced polyester  
 Flammability resistance: UL94 -V0  
 Resistance to pressure: 200 N/mm<sup>2</sup>  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



204104

| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                          |                                                       | Connection                     | InA         | RDF | Pkg (pcs.) |
|--------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------------------|-------------------------------------------------------|--------------------------------|-------------|-----|------------|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                                | MCBs                                                  |                                |             |     |            |
| 204100 (ROS 12S/FI-01)   |        | 1            | 1    | -            | -    | 2       | -        | 1xRCCB<br>63 A/4/0,03 A<br>(Type A) | 1xMCB 32 A 3P-C<br>1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | 5 x 10 mm <sup>2</sup><br>M 32 | InA<br>63 A | 0,8 | 1          |
| 204101 (ROS 12S/FI-01/S) |        |              |      |              |      | -       | 2        |                                     |                                                       |                                |             |     |            |
| 204102 (ROS 12S/FI-02)   |        | -            | 2    | -            | -    | 2       | -        | 1xRCCB<br>63 A/4/0,03 A<br>(Type A) | 2xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B                    | 5 x 10 mm <sup>2</sup><br>M 32 | InA<br>63 A | 1,0 | 1          |
| 204103 (ROS 12S/FI-02/S) |        |              |      |              |      | -       | 2        |                                     |                                                       |                                |             |     |            |
| 204104 (ROS 12S/FI-03)   |        | 1            | 1    | -            | -    | 6       | -        | 1xRCCB<br>63 A/4/0,03 A<br>(Type A) | 1xMCB 32 A 3P-C<br>1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | CEE inlet<br>63 A/5P/400 V     | InA<br>63 A | 0,8 | 1          |
| 204105 (ROS 12S/FI-03/S) |        |              |      |              |      | -       | 6        |                                     |                                                       |                                |             |     |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

### Distribution boxes on stand ROS 12SG IP65 with RCCB and switch

- Distribution boxes with IP65 protection, other product features identical to **distribution boxes ROS 12S IP54 with RCCB and switch**.

| Ord. No. (Type)           | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | 250 V   |          | Protection                          |                                                       | Connection                 | InA         | RDF | Pkg (pcs.) |
|---------------------------|--------|--------------|------|--------------|------|---------|----------|-------------------------------------|-------------------------------------------------------|----------------------------|-------------|-----|------------|
|                           |        | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                                | MCBs                                                  |                            |             |     |            |
| 204120 (ROS 12SG/FI-04)   |        | 1            | 1    | -            | -    | 5       | -        | 1xRCCB<br>63 A/4/0,03 A<br>(Type A) | 1xMCB 32 A 3P-C<br>1xMCB 16 A 3P-C<br>2xMCB 16 A 1P-B | CEE inlet<br>63 A/5P/400 V | InA<br>63 A | 0,8 | 1          |
| 204121 (ROS 12SG/FI-04/S) |        |              |      |              |      | -       | 5        |                                     |                                                       |                            |             |     |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly



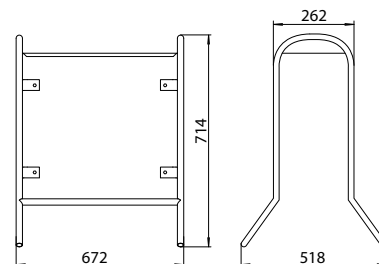
### Distribution boxes on stand ROS 24S IP54 with RCCB and switch

- Distribution boxes with handle have been designed to be part of mobile wiring.
- Using in exterior or interior, residential sector, building sites and industrial zones.
- Cover resistant against excessive heat and fire (650 °C glow wire test).
- Possibility of locking in position 0.
- Dimensions 714 x 672 x 262/518 mm (h x w x d).

Complies with standards: STN EN 61439-1, STN EN 61439-3  
 Mechanical resistance of box: IK10  
 Degree of protection: IP65 - Ord. No. 204160, 204161  
 IP54  
 Material: Glass fiber reinforced polyester  
 Flammability resistance: UL94 -V0  
 Resistance to pressure: 200 N/mm<sup>2</sup>  
 Nominal working voltage: 400 V~, 250 V~, 50/60 Hz  
 Operating temperature: -25 °C to +55 °C



204140



| Ord. No. (Type)          | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | CEE 230 V 3P |      | 250 V   |          | Protection                    |                                                       | Connection                     | InA      | RDF | Pkg (pcs.) |
|--------------------------|--------|--------------|------|--------------|------|--------------|------|---------|----------|-------------------------------|-------------------------------------------------------|--------------------------------|----------|-----|------------|
|                          |        | 32 A         | 16 A | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                          | MCBs                                                  |                                |          |     |            |
| 204140 (ROS 24S/FI-01)   |        | 2            | 2    | -            | -    | -            | -    | 4       | -        | 1xRCCB 63 A/4/0,03 A (Type A) | 2xMCB 32 A 3P-C<br>2xMCB 16 A 3P-C<br>4xMCB 16 A 1P-B | 5 x 10 mm <sup>2</sup><br>M 32 | InA 63 A | 0,4 | 1          |
| 204141 (ROS 24S/FI-01/S) |        |              |      |              |      |              |      | -       | 4        |                               |                                                       |                                |          |     |            |
| 204142 (ROS 24S/FI-02)   |        | 1            | 1    | 1            | 1    | -            | -    | 4       | -        | 1xRCCB 63 A/4/0,03 A (Type A) | 2xMCB 32 A 3P-C<br>2xMCB 16 A 3P-C<br>4xMCB 16 A 1P-B | 5 x 10 mm <sup>2</sup><br>M 32 | InA 63 A | 0,4 | 1          |
| 204143 (ROS 24S/FI-02/S) |        |              |      |              |      |              |      | -       | 4        |                               |                                                       |                                |          |     |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

### Distribution boxes on stand ROS 24SG IP65 with RCCB, straight inlet and switch

- Distribution boxes with IP65 protection, other product features identical to **Distribution boxes ROS 24S IP54 with RCCB and switch**.

| Ord. No. (Type)           | Layout | CEE 400 V 5P |      | CEE 400 V 4P |      | CEE 230 V 3P |      | 250 V   |          | Protection                    |                                                                                             | Connection              | InA      | RDF | Pkg (pcs.) |
|---------------------------|--------|--------------|------|--------------|------|--------------|------|---------|----------|-------------------------------|---------------------------------------------------------------------------------------------|-------------------------|----------|-----|------------|
|                           |        | 32 A         | 16 A | 32 A         | 16 A | 32 A         | 16 A | 16 A Fr | 16 A Sch | RCCB                          | MCBs                                                                                        |                         |          |     |            |
| 204160 (ROS 24SG/FI-03)   |        | 1            | 1    | -            | -    | 1            | 1    | 6       | -        | 1xRCCB 63 A/4/0,03 A (Type A) | 1xMCB 32 A 3P-C<br>1xMCB 16 A 3P-C<br>1xMCB 32 A 1P-C<br>1xMCB 16 A 1P-C<br>6xMCB 16 A 1P-B | CEE inlet 63 A/5P/400 V | InA 63 A | 0,4 | 1          |
| 204161 (ROS 24SG/FI-03/S) |        |              |      |              |      |              |      | -       | 6        |                               |                                                                                             |                         |          |     |            |

RDF = Rated diversity factor, InA = Rated current of switchgear and control gear assembly

### Un-assembled semi-assemblies

- As an alternative to purchase of fully equipped distribution boxes for (4, 6, 7, 8, 11 and 16 modules) we offer the "un-assembled" semi-assemblies without mounted sockets, MCBs and RCCB.

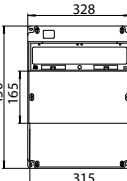
Material: ABS  
Mechanical resistance of box: IK10  
Operating temperature: -25 °C to +55 °C



205004

| Ord. No. (Type)     | Product view |  | Product view | Supplied accessories                                                                                                                                           | Degree of protection | Dimension drawing | Dimensions (mm) |           |           | Pkg (pcs.) |
|---------------------|--------------|--|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|-----------------|-----------|-----------|------------|
|                     |              |  |              |                                                                                                                                                                |                      |                   | A (height)      | B (width) | C (depth) |            |
| 205000 (ROS 8/ZR)   |              |  | 8 - modules  | Box, 8-modules window, cable gland Pg 21, terminal block, Din rail TS35, cable clamp                                                                           | IP44                 |                   | 260             | 190       | 84        | 1          |
| 205001 (ROS 4/ZR)   |              |  | 4 - modules  | Box, 4-modules window, cable gland Pg 21, terminal block, Din rail TS35, cable clamp                                                                           | IP44                 |                   | 260             | 190       | 89        | 1          |
| 205002 (ROS /ZR)    |              |  | -            | Box -plain surface, cable gland Pg 21, terminal block, cable clamp                                                                                             | IP44                 |                   | 260             | 190       | 64        | 1          |
| 205003 (ROS 8/ZR/D) |              |  | 8 - modules  | Box with handle, 8-modules window, cable gland Pg 21, terminal block, DIN rail TS35, cable clamp                                                               | IP44                 |                   | 305             | 190       | 84        | 1          |
| 205004 (ROS 4/ZR/D) |              |  | 4 - modules  | Box with handle, 4-modules window, cable gland Pg 21, terminal block, DIN rail TS35, cable clamp                                                               | IP44                 |                   | 305             | 190       | 89        | 1          |
| 205005 (ROS /ZR/D)  |              |  | -            | Box -plain surface with handle, cable gland Pg 21, terminal block, DIN rail TS35, cable clamp                                                                  | IP44                 |                   | 305             | 190       | 64        | 1          |
| 205006 (ROS 5-6/Z)  |              |  | 6 - modules  | 6-modules window, cable gland M 32, DIN rail TS 35, 5-pole terminal strip, 10 mm <sup>2</sup> (6336-60), cable clamp                                           | IP 54                |                   | 343             | 136       | 122       | 1          |
| 205007 (ROS 7/Z)    |              |  | 7 - modules  | 7-modules window, cable gland M 32, DIN rail TS 35, DIN rail under switch, 5-pole terminal strip, 10 mm <sup>2</sup> (6336-60), cable clamp, contains a switch | IP54                 |                   | 263             | 241       | 121       | 1          |
| 205008 (ROS 11/Z)   |              |  | 11 - modules | 11-modules window, cable gland M 32, DIN rail TS 35, 5-pole terminal block, 10 mm <sup>2</sup> (6336-60), cable clamp                                          | IP54                 |                   | 343             | 241       | 122       | 1          |

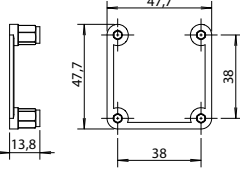
## Un-assembled semi-assemblies (continued)

| Ord. No. (Type)     | Product view                                                                                                                                                            |  | Product view | Supplied accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Degree of protection | Dimension drawing                                                                     | Dimensions (mm) |           |           | Pkg (pcs.) |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------|-----------------|-----------|-----------|------------|
|                     |                                                                                                                                                                         |  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                                                                                       | A (height)      | B (width) | C (depth) |            |
| 205009 (ROS 16/Z)   |                                                                                                                                                                         |  | 16 - modules | 16 - module window, bottom of distribution box, top cover of distribution box, DIN rail TS35 for MCBs, 12x 16 mm <sup>2</sup> input busbar green (12/Z), 12 x 16 mm <sup>2</sup> input busbar blue (12/N), cable clamp, 6 x screw KA 50 x 25 WN 1412, 4 x screw ISO 7049-ST 3,9 x 9,5; 2 x screw hardened 3,5 x 22, DIN rail TS 35, 5 x terminal block RS 25 (colour blue, green, white), side cover of terminal block, 2 x end clamp, cable gland M 40, bag PE 120 x 70, cardboard box 510 x 330 x 170                       | IP54                 |  | 450             | 328       | 136       | 1          |
| 205010 (ROSG 16/Z)  |                                                                                                                                                                         |  | 16 - modules | 16 - module window, bottom of distribution box, top cover of distribution box, DIN rail TS35 for MCBs, sealing string IP65, 12x 16 mm <sup>2</sup> input busbar green (12/Z), 12 x 16 mm <sup>2</sup> input busbar blue (12/N), cable clamp, 6 x screw KA 50 x 25 WN 1412, 4 x screw ISO 7049-ST 3,9 x 9,5; 2 x screw hardened 3,5 x 22, DIN rail TS 35, 5 x terminal block RS 25 (colour blue, green, white), side cover of terminal block, 2 x end clamp, cable gland M 40, bag PE 120 x 70, cardboard box 510 x 330 x 170, | IP66                 |                                                                                       |                 |           |           |            |
| 205011 (ROS 16/ZB)  |   |  | 16 - modules | Bottom of distribution box, top cover of distribution box, DIN rail TS35 for MCBs, 12x 16 mm <sup>2</sup> input busbar green (12/Z), 12 x 16 mm <sup>2</sup> input busbar blue (12/N), cable clamp, 6 x screw KA 50 x 25 WN 1412, 2 x screw ISO 7049-ST 3,9 x 9,5; 2 x screw hardened 3,5 x 22, 1/2 5-pole terminal strip, 16 mm <sup>2</sup> (6336-70), bag PE 120 x 70, cardboard box 510 x 330 x 170,,                                                                                                                     | IP54                 |                                                                                       |                 |           |           |            |
| 205012 (ROSG 16/ZB) |                                                                                                                                                                         |  | 16 - modules | Bottom of distribution box, top cover of distribution box, sealing string IP65, DIN rail TS35 for MCBs, 12x 16 mm <sup>2</sup> input busbar green (12/Z), 12 x 16 mm <sup>2</sup> input busbar blue (12/N), cable clamp, 6 x screw KA 50 x 25 WN 1412, 2 x screw ISO 7049-ST 3,9 x 9,5; 2 x screw hardened 3,5 x 22, 1/2 5-pole terminal strip, 16 mm <sup>2</sup> (6336-70), bag PE 120 x 70, cardboard box 510 x 330 x 170,                                                                                                 | IP66                 |                                                                                       |                 |           |           |            |
| 205013 (ROS 16/ZC)  |                                                                                                                                                                         |  | 16 - modules | Bottom of distribution box, top cover distribution box, DIN rail TS35 for MCBs, 6x screw KA 50 x 25 WN 1412, bag PE 120 x 70, cardboard box 510 x 330 x 170,                                                                                                                                                                                                                                                                                                                                                                  | IP54                 |                                                                                       |                 |           |           |            |
| 205014 (ROSG 16/ZC) |                                                                                                                                                                         |  | 16 - modules | Bottom of distribution box, top cover distribution box, sealing string IP65, DIN rail TS35 for MCBs, 6x screw KA 50 x 25 WN 1412, bag PE 120 x 70, cardboard box 510 x 330 x 170,                                                                                                                                                                                                                                                                                                                                             | IP66                 |                                                                                       |                 |           |           |            |



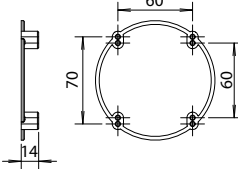
### Dual mounting frame for panel sockets 250 V/16 A and 24 V/10 A with a mounting spacing of 38 x 38 mm and 38 x 46,5 mm

- For installation use a  $\varnothing 4$  mm screw for plastics.
- For Ord. No. 103750 to 103763 and 103830, 103790, 103792.

| Ord. No. (Type)      | Product view                                                                      | Mounting holes                                                                    | Pkg (pcs.) |
|----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|
| 105761 (ND 105-2677) |  |  | 100        |

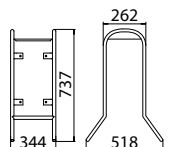
### Mounting frame for panel sockets CEE 400 V / 16 A and 32 A with mounting spacing 60 x 60 mm or 60 x 70 mm

- For installation use a  $\varnothing 4$  mm screw for plastics.
- Ord. No. 105760 for : 104076, 104083, 104084, 104079, 104085, 104087, 104174, 104177, 104264, 104267, 104310 to 104315, 104329 to 104333, 104400, 104402, 104404 to 104406, 104408, 104410, 104411, 104414, 104416, 104417.

| Ord. No. (Type)      | Product view                                                                        | Mounting holes                                                                      | Pkg (pcs.) |
|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|
| 105760 (ND 105-2177) |  |  | 200        |

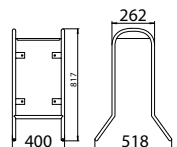
### Stand for building distribution boxes ROS 11S

- Dimensions 737 x 344 x 262/518 mm (h x w x d).

| Ord. No. (Type)  | Product view                                                                       | Dimension drawing                                                                  | Pkg (pcs.) |
|------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------|
| 205110 (ROS 11S) |  |  | 1          |

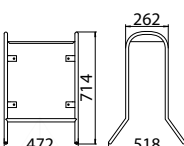
### Stand for building distribution boxes ROS 16S

- Dimensions 817 x 400 x 262/518 mm (h x w x d).

| Ord. No. (Type)  | Product view                                                                         | Dimension drawing                                                                    | Pkg (pcs.) |
|------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|
| 205111 (ROS 16S) |  |  | 1          |

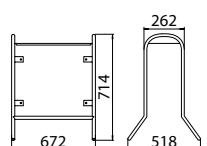
### Stand for building distribution boxes ROS 12S

- Dimensions 714 x 472 x 262/518 mm (h x w x d).

| Ord. No. (Type)  | Product view                                                                        | Dimension drawing                                                                   | Pkg (pcs.) |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|
| 205112 (ROS 12S) |  |  | 1          |

### Stand for building distribution boxes ROS 24S

- Dimensions 714 x 672 x 262/518 mm (h x w x d).

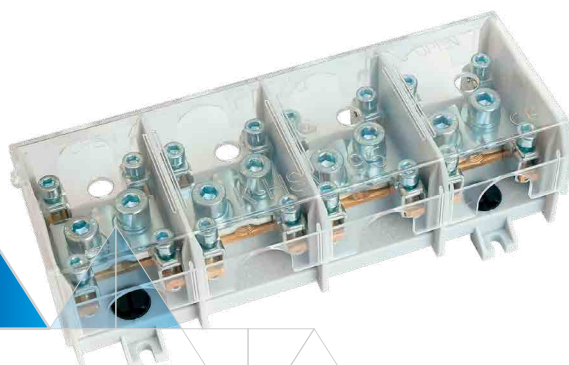
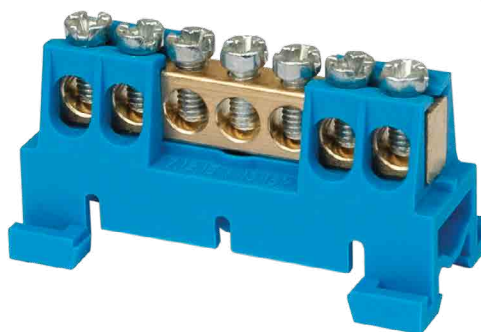
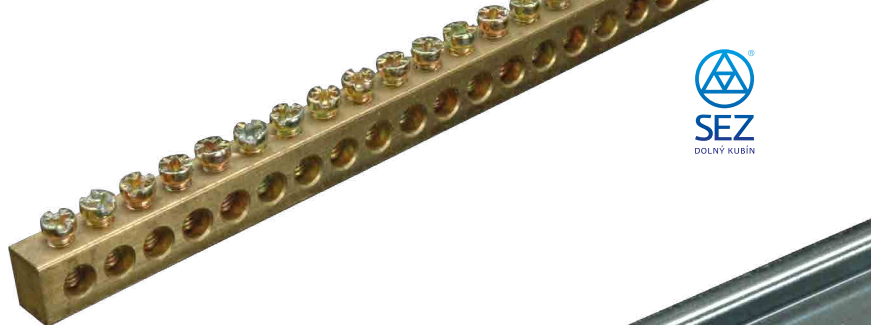
| Ord. No. (Type)  | Product view                                                                          | Dimension drawing                                                                     | Pkg (pcs.) |
|------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|
| 205113 (ROS 24S) |  |  | 1          |



[illegible]



[illegible]



## TERMINAL BLOCKS, STRIPS AND TERMINAL BOARDS

## CONTENTS

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## TERMINAL BLOCKS, STRIPS AND BOARDS

The basic features of the original system of terminal blocks by SEZ DK include:

- quality plastic materials complying with the hot wire test for 850 °C
- colour ranges adjusted to your requirements
- copper and brass materials with a special surface finish in order to provide the lowest transfer resistance and the maximum anti-corrosion protection
- high variability of connecting options

Technical solutions guarantee convenient, fast and effective installation of electric distributions. Terminal blocks are fitted with wound clamps with the screw shanks fastened in the pressed case. Unless otherwise stated, each terminal enables a reliable connection of one or more conductors with the nominal connecting cross section one or two degrees smaller (e.g. terminal 2,5 mm<sup>2</sup> enables the connection of conductors 1,5 or 1 mm<sup>2</sup> as well). The torsion moment of screw terminals complies with the requirements of EN 60998-2-1.

### INTERCONNECTION OF TERMINAL BLOCKS

The interconnection of terminal blocks is enabled by jumpers for the connection of 2, 3 and 5 terminal blocks. The side walls of terminal blocks must be removed prior to connection. The jumpers consist of a connecting bridge and screws. After the connecting screws (screw) have been removed, the interconnection of terminal blocks over terminal blocks with a different voltage will also be enabled. The surface ways and air distances between jumpers and live parts of such terminal block correspond with the nominal insulation voltage. The interconnection range may be increased if several jumpers are connected by a connecting bridge for two terminal blocks.

### TERMINAL BLOCKS RS

A terminal blocks for universal use.

- protection increased to IP 20
- when using jumpers, a space between terminal blocks is unnecessary
- better fastening to DIN rail
- larger connection range

### JUMPERS

They are used for the permanent connection of adjoining terminal blocks in a terminal board. A space of the width of one terminal block must be left between the jumpers of different polarity and different poles, respectively.

### TERMINAL BOARDS FOR DEVICES AND RISING MAINS

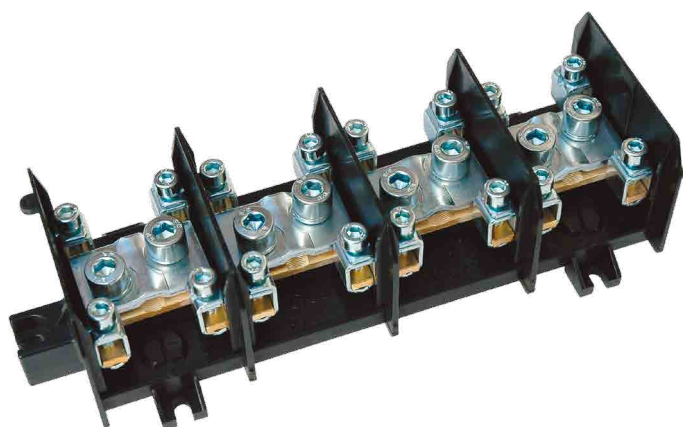
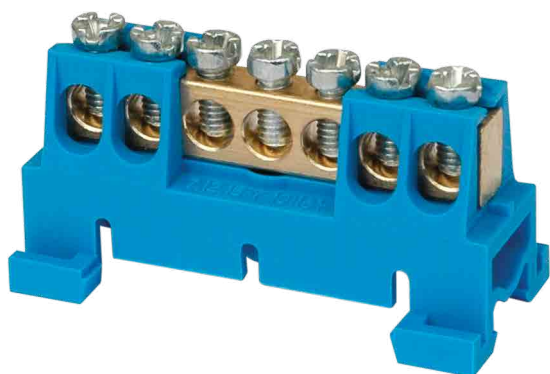
Our terminal boards for devices and rising mains are manufactured from a variety of materials in order to ensure reliable operation under all conditions:

#### Material - thermoplast

- With permanent heat resistance 100 °C.
- For the operation environment -25 °C to 40 °C.
  - With short-term heat resistance 140 °C.
  - With hot wire resistance 850 °C.

#### Ceramic material

- With permanent heat resistance 110 °C.





- With short-term heat resistance 140 °C.

#### Material for terminals

- Brass material.
- Brass material galvanically modified.

### INSTRUMENT TERMINAL STRIPS 12 POLES

It is mainly used in industrial distributions in compliance with EN 60947-7-1. They are also designed for home use by EN 60998-2-1, which sets out the torque of screw terminals.

### CERAMIC INSTRUMENT TERMINAL BLOCKS 4P/6P WITH FLANGE

Ceramic terminal blocks for devices are widely used in the connection of electric devices and in the distributors with a higher working temperature (up to 110 °C; up to 140 °C short-term).

Ceramic terminal blocks are manufactured in 4-and 6-pole modifications. Surface-treated terminal bridges made of brass are riveted on the body of terminal board. There are two fastening screw openings in the body.

### TERMINAL BLOCKS FOR LIGHTING FITTINGS 2P/3P

Terminal blocks for lighting fittings have been designed for the connection in light distributions. Their ceramic case contains two (or three) bushing terminals in profile openings. The number of bushing terminals corresponds to the number of poles. There is one (or two) fastening opening(s) of  $\varnothing 3,5$  mm in the case.

### CERAMIC COUPLINGS FOR LIGHTING 1P/2P/3P

Ceramic couplings for lighting are used for the connection in electric light installations. The ceramic case contains 1-3 bushing terminals in profile openings. The number of bushing terminals corresponds to the number of poles.

### TERMINAL BOARDS FOR RISING MAINS

They are used to connect branches to rising mains. All the Types consist of the main body made from thermoplastic which carries appropriate terminal H-bridges. Each bridge contains one transition splice clamp for the connection of main conductor without its interruption and 4 bushing terminals for connecting of branch conductors.

### TERMINAL BOARDS 1P AND 4P FOR RISING MAINS 35 mm<sup>2</sup>.

Terminal board 4P (Ord. No. 300510/HSV 35) is supplied in four-pole modification and terminal board 1P (Ord. No. 300480/SV 35) in single-pole modification. Terminal board 4P (Ord. No. 300510/HSV 35) and 1P (Ord. No. 300480/SV 35) may be joined to blocks to obtain a five-pole formation usable in a five-pole installation system. The construction of main board enables the fastening of terminal board to a pad by M5 screws or by sliding it on a shaped DIN rail TS 35 mm.

#### With cover:

Type 4P (Ord. No. 300511/HSV 35K) in fact an 4P (Ord. No. 300510/HSV 35) terminal board with a sealable cover made from transparent plastic, with openings for the measuring needle measurement, and with the degree of protection IP20 after of all the conductors have been connected into clamps. Type 1P

(Ord. No. 300481/SVK 35) is in fact an 1P (Ord. No. 300480/SV 35) terminal board with a sealable cover made from transparent plastic, with openings for the measuring needle measurement, and with the degree of protection IP 20 after of all the conductors have been connected into clamps. Using 1P (Ord. No. 300480/SV 35) as a fifth pole, it is necessary to re-label sign "PEN" to "N" on 4P (Ord. No. 300510/HSV 35) and label the pole of 1P (Ord. No. 300480/SV 35) as "PE".

### TERMINAL BOARDS 1P AND 4P FOR RISING MAINS 95 mm<sup>2</sup>.

Terminal board 4P (Ord. No. 300520/HSV 95) is supplied in four-pole modification and terminal board 1P (Ord. No. 300490/SV 95) in single-pole modification. Terminal boards 4P (Ord. No. 300520/HSV 95) and 1P (Ord. No. 300490/SV 95) may be joined to blocks to obtain a five-pole formation usable in a five-pole installation system TN-S. The construction of main board enables the fastening of terminal board to a pad by M5 screws or by sliding it on a shaped DIN rail TS 35. The terminal board may be secured against drawing-out by a plastic bayonet joint.

#### With cover:

Type 4P (Ord. No. 300521/HSV 95K) is in fact an 4P (Ord. No. 300520/HSV 95) terminal board with a sealable cover made from transparent plastic, with openings for the measuring needle measurement, and with the degree of protection IP 20 after of all the conductors have been connected into clamps. Type 1P (Ord. No. 300491/SVK 95) is in fact an 1P (Ord. No. 300490/SV 95) terminal board with a sealable cover made from transparent plastic, with openings for the measuring needle measurement, and with the degree of protection IP 20 after of all conductors have been connected into clamps. Using 1P (Ord. No. 300490/SV 95) as a fifth pole, it is necessary to re-label sign "PEN" to "N" on 4P (Ord. No. 300520/HSV 95) and label the pole of 1P (Ord. No. 300490/SV 95) as "PE". Fastening with M5 screws or on DIN rail 35 mm.

### EQUIPOTENTIAL TERMINAL BLOCKS SINGLE AND DOUBLE ROW

According to the norm STN 33 2000-4-41, the equalisation of potential is required during installation to provide safety against electric current injuries. It is achieved by the mutual connection of conductive non-live parts of the device and external conductive parts by a conductor of prescribed cross section.

The main connection is established in each building and in each object by a mutual conductive connection of the following elements:

- protection conductor of the network
- grounding supply or main protective terminal
- conductive pipeline and pipes leading into the object (gas, water, heating, air-conditioning, etc.)
- aerials, telephone devices.

The equipotential terminal board has been designed for main and also complementary connection in both home and industrial distributions. The connecting part of terminal board consists of brass bridge with steel terminals and splice for the fixation of main grounding or the steel rope. The terminals are mechanically secured against fall-out. The whole bridge is fixed in two insulation cases made from thermoplastic.

The terminal boards may be fastened in several ways:

- to rail Din TS 35
- by two screws of  $\varnothing 5 \times 30$  through the bridge and the insulation case
- by four screws of  $\varnothing 4 \times 10$  through the insulation case



### Terminal blocks RS 2,5 - 120

- Designed for connecting of copper rigid and flexible conductors.
- Mutual interconnection of terminal blocks by using of jumpers for 2, 3 and 5 clamps.
- The surface ways and air distances between jumpers and live parts of such terminal block correspond with the nominal insulation voltage.
- Available in multiple colours.
- Mounting on DIN rails 35 mm: Ord. No. 300000 - 300041.
- Mounting on DIN rails 32 mm: Ord. No. 300028 - 300034.
- Mounting on DIN rails 15 mm: Ord. No. 300000 - 300027.

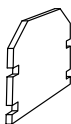
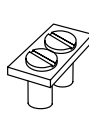
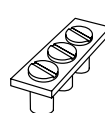
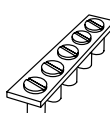
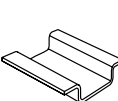
Complies with standards: EN 60947-1, EN 60998-2-1  
The torsion moment of screw terminals complies with the requirements:  
Degree of protection: IP20  
Material: Polyamide PA6, Cu and brass  
Nominal insulation voltage: 800 V  
Glow wire test: 850 °C  
Operating temperature: -20 °C to +75 °C



| Ord. No. (Type)   | Colour | Rigid conductor (mm <sup>2</sup> ) | Flexible conductor (mm <sup>2</sup> ) | Max. nominal current (A) | Stripped wire length (mm) | Pkg. (pcs.) | Dimensions (mm) |
|-------------------|--------|------------------------------------|---------------------------------------|--------------------------|---------------------------|-------------|-----------------|
| 300000 (RS 2,5/0) | White  | 0,35 - 4                           | 0,5 - 2,5                             | 26                       |                           | 50          |                 |
| 300001 (RS 2,5/1) | Blue   |                                    |                                       |                          |                           |             |                 |
| 300002 (RS 2,5/2) | Gray   |                                    |                                       |                          |                           |             |                 |
| 300003 (RS 2,5/3) | Yellow |                                    |                                       |                          |                           |             |                 |
| 300004 (RS 2,5/4) | Green  |                                    |                                       |                          |                           |             |                 |
| 300005 (RS 2,5/6) | Red    |                                    |                                       |                          |                           |             |                 |
| 300006 (RS 2,5/7) | Brown  |                                    |                                       |                          |                           |             |                 |
| 300007 (RS 6/0)   | White  | 0,35 - 6                           | 0,5 - 4                               | 46                       | 9                         | 50          |                 |
| 300008 (RS 6/1)   | Blue   |                                    |                                       |                          |                           |             |                 |
| 300009 (RS 6/2)   | Gray   |                                    |                                       |                          |                           |             |                 |
| 300010 (RS 6/3)   | Yellow |                                    |                                       |                          |                           |             |                 |
| 300011 (RS 6/4)   | Green  |                                    |                                       |                          |                           |             |                 |
| 300012 (RS 6/6)   | Red    |                                    |                                       |                          |                           |             |                 |
| 300013 (RS 6/7)   | Brown  |                                    |                                       |                          |                           |             |                 |
| 300014 (RS 10/0)  | White  | 0,35 - 10                          | 0,5 - 6                               | 61                       | 10.5                      | 30          |                 |
| 300015 (RS 10/1)  | Blue   |                                    |                                       |                          |                           |             |                 |
| 300016 (RS 10/2)  | Gray   |                                    |                                       |                          |                           |             |                 |
| 300017 (RS 10/3)  | Yellow |                                    |                                       |                          |                           |             |                 |
| 300018 (RS 10/4)  | Green  |                                    |                                       |                          |                           |             |                 |
| 300019 (RS 10/6)  | Red    |                                    |                                       |                          |                           |             |                 |
| 300020 (RS 10/7)  | Brown  |                                    |                                       |                          |                           |             |                 |
| 300021 (RS 25/0)  | White  | 1,5 - 25                           | 2,5 - 16                              | 101                      | 10                        | 20          |                 |
| 300022 (RS 25/1)  | Blue   |                                    |                                       |                          |                           |             |                 |
| 300023 (RS 25/2)  | Gray   |                                    |                                       |                          |                           |             |                 |
| 300024 (RS 25/3)  | Yellow |                                    |                                       |                          |                           |             |                 |
| 300025 (RS 25/4)  | Green  |                                    |                                       |                          |                           |             |                 |
| 300026 (RS 25/6)  | Red    |                                    |                                       |                          |                           |             |                 |
| 300027 (RS 25/7)  | Brown  |                                    |                                       |                          |                           |             |                 |
| 300028 (RS 50/0)  | White  | 1,5 - 70*                          | 2,5 - 50                              | 150                      | 14                        | 10          |                 |
| 300029 (RS 50/1)  | Blue   |                                    |                                       |                          |                           |             |                 |
| 300030 (RS 50/2)  | Gray   |                                    |                                       |                          |                           |             |                 |
| 300031 (RS 50/3)  | Yellow |                                    |                                       |                          |                           |             |                 |
| 300032 (RS 50/4)  | Green  |                                    |                                       |                          |                           |             |                 |
| 300033 (RS 50/6)  | Red    |                                    |                                       |                          |                           |             |                 |
| 300034 (RS 50/7)  | Brown  |                                    |                                       |                          |                           |             |                 |
| 300035 (RS 120/0) | White  | 2,5 - 120                          | 6 - 95                                | 269                      | 20                        | 5           |                 |
| 300036 (RS 120/1) | Blue   |                                    |                                       |                          |                           |             |                 |
| 300037 (RS 120/2) | Gray   |                                    |                                       |                          |                           |             |                 |
| 300038 (RS 120/3) | Yellow |                                    |                                       |                          |                           |             |                 |
| 300039 (RS 120/4) | Green  |                                    |                                       |                          |                           |             |                 |
| 300040 (RS 120/6) | Red    |                                    |                                       |                          |                           |             |                 |
| 300041 (RS 120/7) | Brown  |                                    |                                       |                          |                           |             |                 |

\* 95 mm<sup>2</sup> cross - section for rigid-stranded conductor

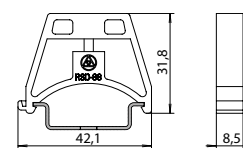
## Accessories - terminal blocks

|                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |  |
|-------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
|                                     |  |  |  |  |  |  |  |
|                                     | Side plate                                                                        | Ending clamp                                                                      | Jumper for 2 term. blocks                                                         | Jumper for 3 term. blocks                                                          | Jumper for 5 term. blocks                                                           | DIN rail                                                                            |  |
| RS term. blocks accs.               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |  |
| Ord. No. (Type)                     |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |  |
| Ord. No. 300000 - 300006 (RS 2,5/x) | 300100 (PRS/2)                                                                    | 300190 (RSD 88)                                                                   | 300110 (P 6/2)                                                                    | 300120 (P 6/3)                                                                     | 300130 (P 6/5)                                                                      | 300200 (TS 35)                                                                      |  |
| Ord. No. 300007 - 300013 (RS 6/x)   |                                                                                   |                                                                                   | 300111 (P 10/2)                                                                   | 300121 (P 10/3)                                                                    | 300131 (P 10/5)                                                                     |                                                                                     |  |
| Ord. No. 300014 - 300020 (RS 10/x)  | 300101 (PRS/25/2)                                                                 |                                                                                   | 300112 (P 25/2)                                                                   | 300122 (P 25/3)                                                                    | 300132 (P 25/5)                                                                     |                                                                                     |  |
| Ord. No. 300021 - 300027 (RS 25/x)  |                                                                                   |                                                                                   | 300113 (P 50/2)                                                                   | 300123 (P 50/3)                                                                    | -                                                                                   |                                                                                     |  |
| Ord. No. 300028 - 300034 (RS 50/x)  | -                                                                                 |                                                                                   | -                                                                                 | 300124 (P 120/3)                                                                   | -                                                                                   |                                                                                     |  |
| Ord. No. 300035 - 300041 (RS 120/x) |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |  |

## End clamp

- It is used to secure a group of terminal blocks on a DIN rail against side displacement.

Material: Polyamid  
Operating temperature: -20 °C to +75 °C

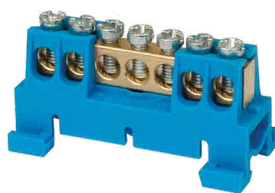


| Ord. No. (Type) | Width (mm) | Pkg. (pcs.) |
|-----------------|------------|-------------|
| 300190 (RSD 88) | 8,5        | 100         |

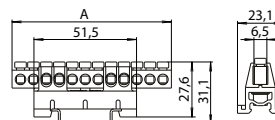
### Terminal strips 7 clamps

- Terminal blocks for mounting on a 35 mm DIN rail width.
- DIN rail mounting by clicking.
- Available in green, blue, black and yellow.

|                          |                                       |
|--------------------------|---------------------------------------|
| Complies with standards: | EN 60947-7-1, EN 60998-2-1            |
| Degree of protection:    | IP00                                  |
| Material:                | Polyamide PA6<br>- self-extinguishing |
| Material:                | Brass                                 |
| Screws:                  | M4                                    |
| Operating temperature:   | -5 °C to +60 °C                       |



300251

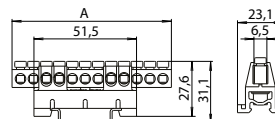
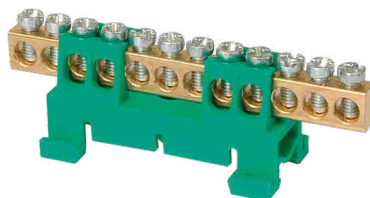


| Ord. No. (Type) | Colour | Number of clamps | Voltage (V) | Current (A) | Max. Cu conductor cross section |                | A (mm) | Pkg. (pcs.) |
|-----------------|--------|------------------|-------------|-------------|---------------------------------|----------------|--------|-------------|
|                 |        |                  |             |             | Rigid (mm²)                     | Flexible (mm²) |        |             |
| 300250 (7/Z)    | Green  | 7                | 660         | 63          | 16                              | 10             | 47     | 50          |
| 300251 (7/N)    | Blue   |                  |             |             |                                 |                |        |             |
| 300252 (7/C)    | Black  |                  |             |             |                                 |                |        |             |
| 300253 (7/Y)    | Yellow |                  |             |             |                                 |                |        |             |

### Terminal strips 12 clamps

- Terminal blocks for mounting on a 35 mm DIN rail width.
- DIN rail mounting by clicking.
- Available in green, blue, black and yellow.

|                          |                                       |
|--------------------------|---------------------------------------|
| Complies with standards: | EN 60947-7-1, EN 60998-2-1            |
| Degree of protection:    | IP00                                  |
| Material:                | Polyamide PA6<br>- self-extinguishing |
| Material:                | Brass                                 |
| Screws:                  | M4                                    |
| Operating temperature:   | -5 °C to +60 °C                       |



| Ord. No. (Type) | Colour | Number of clamps | Voltage (V) | Current (A) | Max. Cu conductor cross section |                | A (mm) | Pkg. (pcs.) |
|-----------------|--------|------------------|-------------|-------------|---------------------------------|----------------|--------|-------------|
|                 |        |                  |             |             | Rigid (mm²)                     | Flexible (mm²) |        |             |
| 300254 (12/Z)   | Green  | 12               | 660         | 63          | 16                              | 10             | 80     | 50          |
| 300255 (12/N)   | Blue   |                  |             |             |                                 |                |        |             |
| 300256 (12/C)   | Black  |                  |             |             |                                 |                |        |             |
| 300257 (12/Y)   | Yellow |                  |             |             |                                 |                |        |             |

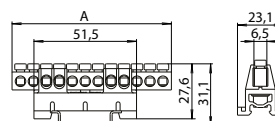
### Terminal strips 15 clamps

- Terminal blocks for mounting on a 35 mm DIN rail width.
- DIN rail mounting by clicking.
- Available in green, blue, black and yellow.

|                          |                                       |
|--------------------------|---------------------------------------|
| Complies with standards: | EN 60947-7-1, EN 60998-2-1            |
| Degree of protection:    | IP00                                  |
| Material:                | Polyamide PA6<br>- self-extinguishing |
| Material:                | Brass                                 |
| Screws:                  | M4                                    |
| Operating temperature:   | -5 °C to +60 °C                       |



300260

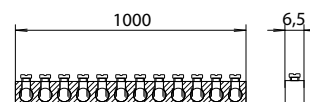
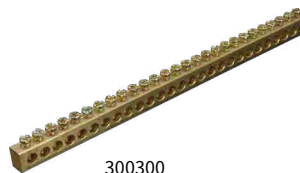


| Ord. No. (Type) | Colour | Number of clamps | Voltage (V) | Current (A) | Max. Cu conductor cross section |                | A (mm) | Pkg. (pcs.) |
|-----------------|--------|------------------|-------------|-------------|---------------------------------|----------------|--------|-------------|
|                 |        |                  |             |             | Rigid (mm²)                     | Flexible (mm²) |        |             |
| 300258 (15/Z)   | Green  | 15               | 660         | 63          | 16                              | 10             | 99     | 50          |
| 300259 (15/N)   | Blue   |                  |             |             |                                 |                |        |             |
| 300260 (15/C)   | Black  |                  |             |             |                                 |                |        |             |
| 300261 (15/Y)   | Yellow |                  |             |             |                                 |                |        |             |

### Screw brass bar

- For Cu rigid conductor up to 16 mm<sup>2</sup>, for Cu flexible conductor up to 10 mm<sup>2</sup>.
- Use in switchboards.

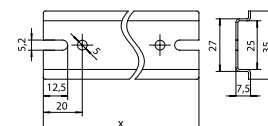
Material: Brass  
Degree of protection: IP00  
Screws: M4



| Ord. No. (Type)     | Length (mm) | Rigid conductor (mm <sup>2</sup> ) | Flexible conductor (mm <sup>2</sup> ) | Current (A) | Pkg. (pcs.) |
|---------------------|-------------|------------------------------------|---------------------------------------|-------------|-------------|
| 300300 (NS 154/100) | 1000        | 16                                 | 10                                    | 63          | 1           |

### Din rails TS 35

- Designed for mounting devices (MCBs, contactors, terminals, etc.) in switchboards or distribution boxes.
- With holes and grooves at both ends for quick mounting on the base.
- Width 35 mm.

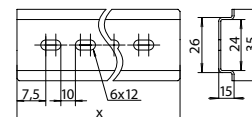


Material: Zinc-coated steel

| Ord. No. (Type)      | Length (x) (mm) | Pkg. (pcs.) |
|----------------------|-----------------|-------------|
| 300200 (TS 35/010/0) | 100             | 20          |
| 300202 (TS 35/020/0) | 200             |             |
| 300205 (TS 35/030/0) | 300             |             |
| 300206 (TS 35/040/0) | 400             |             |
| 300207 (TS 35/050/0) | 500             |             |
| 300208 (TS 35/060/0) | 600             | 10          |
| 300209 (TS 35/070/0) | 700             |             |
| 300210 (TS 35/080/0) | 800             |             |
| 300211 (TS 35/090/0) | 900             |             |
| 300212 (TS 35/100/0) | 1000            |             |
| 300213 (TS 35/110/0) | 1110            |             |
| 300214 (TS 35/120/0) | 1200            |             |

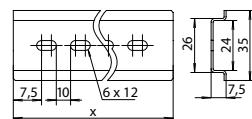
### Perforated DIN rails TSP

- Designed for mounting devices (MCBs, contactors, terminals, etc.) in switchboards or distribution boxes.
- With holes and grooves at both ends for quick mounting on the base.
- Width 35 mm.



Material: Zinc-coated steel

| Ord. No. (Type)             | Length (x) (mm) | Height (mm) | Pkg. (pcs.) |
|-----------------------------|-----------------|-------------|-------------|
| 300222 (TSP 35-SZP 35H7/1)  | 1000            | 7,5         | 10          |
| 300229 (TSP 35-SZP 35H7/2)  | 2000            |             | 5           |
| 300232 (TSP 35-SZP 35H15/1) | 1000            | 15          | 10          |
| 300239 (TSP 35-SZP 35H15/2) | 2000            |             | 5           |

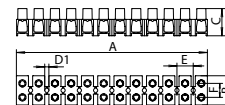


300222, 300229

## Instrument terminal strips 12 poles

- Connecting of two conductors by two screws in a brass profile clamp.
- The required number of clamps can be separated with by a knife or breaking up.

Complies with standards: EN 60947-1, EN 60947-7-1  
EN 60998-1, EN 60998-2-1  
EN 60999  
Degree of protection: IP20  
Material: Thermoplastic, Brass

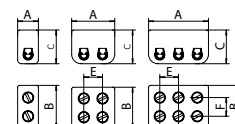


| Material:        |        | Thermoplastic, Brass |             | 300400      | 300401          |             |                 |    |      |     |     |     |
|------------------|--------|----------------------|-------------|-------------|-----------------|-------------|-----------------|----|------|-----|-----|-----|
| Ord. No. (Type)  | Colour | Cross section (mm²)  | Voltage (V) | Current (A) | Number of poles | Pkg. (pcs.) | Dimensions (mm) |    |      |     |     |     |
| A                | B      | C                    | D1          | E           | F               |             |                 |    |      |     |     |     |
| 300400 (6336-10) | White  | 1,5                  | 400         | 17,5        | 12              | 50          | 94,6            | 16 | 13,7 | 2,6 | 8,1 | 6,4 |
| 300401 (6336-17) | Brown  | 2,5                  |             |             |                 |             |                 |    |      |     |     |     |
| 300402 (6336-20) | White  |                      |             |             |                 |             |                 |    |      |     |     |     |
| 300403 (6336-27) | Brown  | 2,5                  |             | 24          |                 |             |                 |    |      |     |     |     |
| 300404 (6336-30) | White  | 4                    |             | 32          |                 |             |                 |    |      |     |     |     |
| 300405 (6336-37) | Brown  |                      |             |             |                 |             |                 |    |      |     |     |     |
| 300406 (6336-50) | White  | 6                    |             | 41          |                 |             |                 |    |      |     |     |     |
| 300407 (6336-57) | Brown  |                      |             |             |                 |             |                 |    |      |     |     |     |
| 300408 (6336-60) | White  | 10                   |             | 57          |                 |             |                 |    |      |     |     |     |
| 300409 (6336-67) | Brown  |                      |             |             |                 |             |                 |    |      |     |     |     |
| 300410 (6336-70) | White  | 16                   |             | 76          |                 |             |                 |    |      |     |     |     |
| 300411 (6336-77) | Brown  |                      |             |             |                 |             |                 |    |      |     |     |     |

## Ceramic couplings for lighting 1P/2P/3P

- For connection in electric lighting fixtures and heating elements.

Complies with standards: STN 60998-2-1, EN 60947-7-1  
Degree of protection: IP20  
Material: Ceramics, brass clamps  
Permanent heat resistance: +110 °C

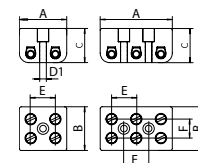
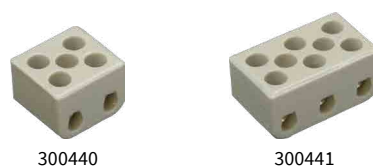


| Ord. No. (Type)  | Cross section (mm <sup>2</sup> ) | Voltage (V) | Current (A) | Number of poles | Pkg. (pcs.) |  | Dimensions (mm) |    |    |    |    |
|------------------|----------------------------------|-------------|-------------|-----------------|-------------|--|-----------------|----|----|----|----|
|                  |                                  |             |             |                 |             |  | A               | B  | C  | E  | F  |
| 300430 (6110-06) | 4                                | 400         | -           | 1               | 50          |  | 11              | 23 | 18 | -  | 10 |
| 300431 (6111-06) |                                  |             |             | 2               |             |  | 22              |    |    | 10 |    |
| 300432 (6112-06) |                                  |             |             | 3               |             |  | 33              |    |    |    |    |

## Ceramic terminal blocks for lighting fittings 2P/3P

- For connection in a lighting system.

Complies with standards: EN 60947-7-1  
Degree of protection: IP00  
Material: Ceramics, brass clamps 300440, 300441  
Ceramics, FeZn clamps 300442, 300443  
Permanent heat resistance: +110 °C



| Ord. No. (Type)  | Cross section (mm <sup>2</sup> ) | Voltage (V) | Current (A) | Number of poles | Pkg. (pcs.) | Dimensions (mm) |    |    |     |    |    |
|------------------|----------------------------------|-------------|-------------|-----------------|-------------|-----------------|----|----|-----|----|----|
|                  |                                  |             |             |                 |             | A               | B  | C  | D1  | E  | F  |
| 300440 (6311-06) | 4                                | 400         | -           | 2               | 50          | 25              | 23 | 18 | 3,5 | 13 | 10 |
| 300441 (6311-07) |                                  |             |             | 3               |             | 38              |    |    |     |    |    |
| 300442 (6311-04) | 10                               | 400         | -           | 2               |             | 25              | 23 | 18 | 3,5 | 13 | 10 |
| 300443 (6311-05) |                                  |             |             | 3               |             | 38              |    |    |     |    |    |



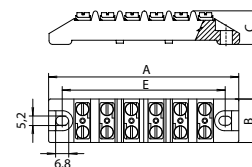
## Ceramic instrument terminal blocks 4P/6P with flange

- Using for connection of electric devices and appliances with a higher working temperature.

Complies with standards: EN 60947-7-1  
Degree of protection: IP00  
Material: Ceramics, Brass  
Permanent heat resistance: +110 °C



300460



| Ord. No. (Type)    | Cross section (mm <sup>2</sup> ) | Voltage (V) | Current (A) | Number of poles | Pkg. (pcs.) | Dimensions (mm) |    |    |    |
|--------------------|----------------------------------|-------------|-------------|-----------------|-------------|-----------------|----|----|----|
|                    |                                  |             |             |                 |             | A               | B  | C  | E  |
| 300460 (6313-14MP) | 4                                | 400         | 20          | 4               | 50          | 77              | 24 | 18 | 64 |
| 300461 (6314-14MP) |                                  |             |             | 6               |             | 104             |    |    | 90 |

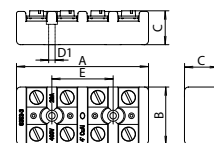
## Ceramic instrument terminal blocks 4P/6P

- Surface-treated brass terminal bridges.

Complies with standards: EN 60947-7-1  
Degree of protection: IP00  
Material: Ceramics, Brass  
Permanent heat resistance: +110 °C



300470



| Ord. No. (Type)  | Cross section (mm <sup>2</sup> ) | Voltage (V) | Current (A) | Number of poles | Pkg. (pcs.) | Dimensions (mm) |      |    |      |     |
|------------------|----------------------------------|-------------|-------------|-----------------|-------------|-----------------|------|----|------|-----|
|                  |                                  |             |             |                 |             | A               | B    | C  | E    | D1  |
| 300470 (6353-30) | 4                                | 400         | 20          | 4               | 25          | 65,5            | 28,5 | 17 | 30,4 | 3,2 |
| 300471 (6354-30) |                                  |             |             | 6               |             | 95,9            |      |    | 60,8 |     |

## Terminal boards 1P for rising mains 35 mm<sup>2</sup>

- They are used in rising distribution boards in apartment buildings.
- No need to interrupt the main rising conductor.
- Ord. No. 300481 - with cover.
- Fastening with M5 screws or on DIN rail 35 mm.
- The lock allows terminal blocks to be connected side by side.
- Rising terminals boards sealable.
- Inbus screws with cylinder head.

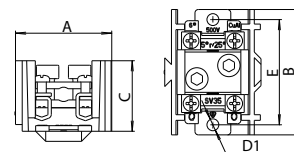
Complies with standards: EN 60947-7-1, EN 60998-2-1  
Degree of protection: IP00, IP20 with cover  
Material: Thermoplastic



300480



300481



| Ord. No. (Type) | Connec. cross section (mm <sup>2</sup> ) |                       | Clamps for main conductor | Clamps for secondary conductor | Nominal insulation voltage (V) | Nominal current of conductor (A) Main/Secondary | Number of poles | Pkg. (pcs.) | Dimensions (mm) |    |      |     |    |
|-----------------|------------------------------------------|-----------------------|---------------------------|--------------------------------|--------------------------------|-------------------------------------------------|-----------------|-------------|-----------------|----|------|-----|----|
|                 | Main. conductor Cu, Al                   | Side conductor Cu, Al |                           |                                |                                |                                                 |                 |             | A               | B  | C    | D1  | E  |
| 300480 (SV 35)  | 10 - 35                                  | 2,5 - 6/10r Cu        | 1                         | 4                              | 500                            | 125 / 41                                        | 1               | 20          | 42              | 56 | 31   | 5,4 | 47 |
| 300481 (SVK 35) |                                          |                       |                           |                                |                                |                                                 |                 |             |                 | 60 | 33,5 |     |    |

## Terminal boards 1P for rising mains 95 mm<sup>2</sup>

- They are used in rising distribution boards in apartment buildings.
- No need to interrupt the main rising conductor.
- Ord. No. 300491 - with cover.
- Fastening with M5 screws or on DIN rail 35 mm.
- The lock allows terminal blocks to be connected side by side.
- Rising terminals boards sealable.
- Inbus screws with cylinder head.

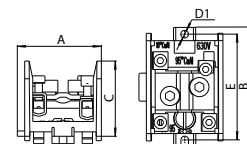
Complies with standards: EN 60947-7-1, EN 60998-2-1  
Degree of protection: IP00, IP20 with cover  
Material: Thermoplastic



300490



300491



| Ord. No. (Type) | Connec. cross section (mm <sup>2</sup> ) |                       | Clamps for main conductor | Clamps for secondary conductor | Nominal insulation voltage (V) | Nominal current of conductor (A) Main/Secondary | Number of poles | Pkg. (pcs.) | Dimensions (mm) |    |    |     |    |
|-----------------|------------------------------------------|-----------------------|---------------------------|--------------------------------|--------------------------------|-------------------------------------------------|-----------------|-------------|-----------------|----|----|-----|----|
|                 | Main. conductor Cu, Al                   | Side conductor Cu, Al |                           |                                |                                |                                                 |                 |             | A               | B  | C  | D1  | E  |
| 300490 (SV 95)  | 16 - 95                                  | 6 - 16/25r Cu         | 1                         | 4                              | 630                            | 232 / 76                                        | 1               | 20          | 57              | 81 | 51 | 5,4 | 72 |
| 300491 (SVK 95) |                                          |                       |                           |                                |                                |                                                 |                 |             |                 |    | 53 |     |    |



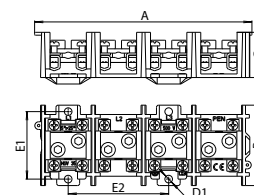
### Terminal boards 4P for rising mains 35 mm<sup>2</sup>

- They are used in rising distribution boards in apartment buildings.
- No need to interrupt the main rising conductor.
- Ord. No. 300511 - with cover.
- Fastening with M5 screws or on DIN rail 35 mm.
- The lock allows terminal blocks to be connected side by side.
- Rising terminals boards sealable.
- Inbus screws with cylinder head.

Complies with standards: EN 60947-7-1, EN 60998-2-1  
Degree of protection: IP00, IP20 with cover  
Material: PA6



300510

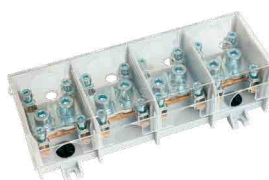


| Ord. No. (Type)  | Connec. cross section (mm <sup>2</sup> ) |                       | Clamps for main conductor | Clamps for secondary conductor | Nominal insulation voltage (V) | Nominal current of conductor (A) Main/Secondary | Number of poles | Pkg. (pcs.) | Dimensions (mm) |    |      |     |    |    |
|------------------|------------------------------------------|-----------------------|---------------------------|--------------------------------|--------------------------------|-------------------------------------------------|-----------------|-------------|-----------------|----|------|-----|----|----|
|                  | Main. conductor Cu, Al                   | Side conductor Cu, Al |                           |                                |                                |                                                 |                 |             | A               | B  | C    | D1  | E1 | E2 |
| 300510 (HSV 35)  | 10 - 35                                  | 2,5 - 6/10r Cu        | 4                         | 16                             | 500                            | 125 / 41                                        | 4               | 10          | 148             | 56 | 31   | 5,4 | 47 | 70 |
| 300511 (HSV 35K) |                                          |                       |                           |                                |                                |                                                 |                 |             |                 | 64 | 33,5 |     |    |    |

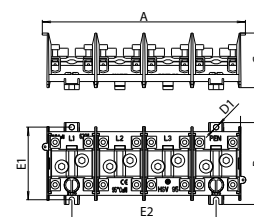
### Terminal boards 4P for rising mains 95 mm<sup>2</sup>

- They are used in rising distribution boards in apartment buildings.
- No need to interrupt the main rising conductor.
- Ord. No. 300521 - with cover.
- Fastening with M5 screws or on DIN rail 35 mm.
- The lock allows terminal blocks to be connected side by side.
- Rising terminals boards sealable.
- Inbus screws with cylinder head.

Complies with standards: EN 60947-7-1, EN 60998-2-1  
Degree of protection: IP00, IP20 with cover  
Material: PA6



300521



| Ord. No. (Type)  | Con. cross section (mm <sup>2</sup> ) |                       | Clamps for main conductor | Clamps for secondary conductor | Nominal insulation voltage (V) | Nominal current of conductor (A) Main/Secondary | Number of poles | Pkg. (pcs.) | Dimensions (mm) |    |    |     |    |     |
|------------------|---------------------------------------|-----------------------|---------------------------|--------------------------------|--------------------------------|-------------------------------------------------|-----------------|-------------|-----------------|----|----|-----|----|-----|
|                  | Main. conductor Cu, Al                | Side conductor Cu, Al |                           |                                |                                |                                                 |                 |             | A               | B  | C  | D1  | E1 | E2  |
| 300520 (HSV 95)  | 16 - 95                               | 6 - 16/25r Cu         | 4                         | 16                             | 630                            | 232 / 76                                        | 4               | 10          | 201             | 81 | 51 | 5,4 | 72 | 143 |
| 300521 (HSV 95K) |                                       |                       |                           |                                |                                |                                                 |                 |             |                 |    | 53 |     |    |     |

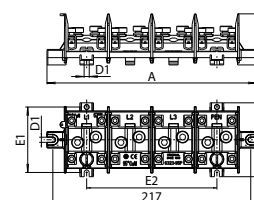
### Terminal boards 4P for rising mains 95 mm<sup>2</sup> - black

- They are used in rising distribution boards in apartment buildings.
- No need to interrupt the main rising conductor.
- Ord. No. 300531 - with cover.
- Fastening with M5 screws or on DIN rail 35 mm.
- Rising terminals boards sealable.
- Inbus screws with cylinder head.

Complies with standards: EN 60947-7-1, EN 60998-2-1  
Degree of protection: IP00, IP20 with cover  
Material: PA6



300530



| Ord. No. (Type)    | Con. cross section (mm <sup>2</sup> ) |                       | Clamps for main conductor | Clamps for secondary conductor | Nominal insulation voltage (V) | Nominal current of conductor (A) Main/Secondary | Number of poles | Pkg. (pcs.) | Dimensions (mm) |    |    |     |    |     |
|--------------------|---------------------------------------|-----------------------|---------------------------|--------------------------------|--------------------------------|-------------------------------------------------|-----------------|-------------|-----------------|----|----|-----|----|-----|
|                    | Main. conductor Cu, Al                | Side conductor Cu, Al |                           |                                |                                |                                                 |                 |             | A               | B  | C  | D1  | E1 | E2  |
| 300530 (6323-95P)  | 16 - 95                               | 6 - 16/25r Cu         | 4                         | 16                             | 630                            | 232 / 76                                        | 4               | 10          | 230             | 81 | 56 | 5,4 | 72 | 143 |
| 300531 (6323-95PK) |                                       |                       |                           |                                |                                |                                                 |                 |             |                 |    | 58 |     |    |     |

### Covers for rising terminal boards 1P

- Transparent covers can be secured by sealing.

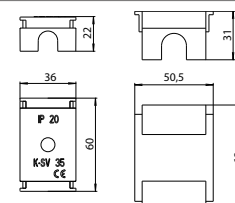
Material: Transparent polycarbonate



300540



300541



| Ord. No. (Type)   | Use with terminal blocks (Ord. No.) | Pkg. (pcs.) |
|-------------------|-------------------------------------|-------------|
| 300540 (ND SV 35) | 300480                              | 20          |
| 300541 (ND SV 95) | 300490                              |             |

### Covers for rising terminal boards 4P

- Transparent covers can be secured by sealing.

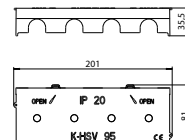
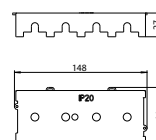
Material: Transparent polycarbonate



300550



300551



| Ord. No. (Type)    | Transparent polycarbonate (Ord. No.) | Pkg. (pcs.) |
|--------------------|--------------------------------------|-------------|
| 300550 (ND HSV 35) | 300510                               | 10          |
| 300551 (ND HSV 95) | 300520<br>300530                     |             |

### Equipotential terminal blocks double row

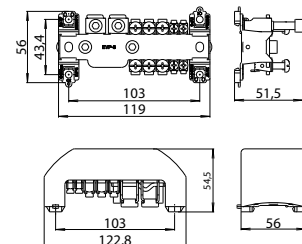
- Version with cover designed for a wall installation or on DIN rail with the possibility of sealing.
- Version without cover designed for an in-box installation or on DIN rail in switchboard.
- Ord. No. 300601 - with cover.

Complies with standards: EN 60947-7-1, EN 60998-2-1, EN 60998-1

Degree of protection: IP00, IP20 with cover  
Material: Brass bridge with steel screw clamps, isolators PA6.



300601



| Ord. No. (Type)            | Connectable cross section (mm²) | Connectable grounding belt             | Number of clamps for conductors | Pkg. (pcs.) |
|----------------------------|---------------------------------|----------------------------------------|---------------------------------|-------------|
| 300600 (EVP-S)             | 2,5 - 10                        | 30 x 4 mm or 20 x 3 mm<br>ø 8 - 12 mm* | 4                               | 5           |
|                            | 10 - 25                         |                                        | 6                               |             |
|                            | 25 - 70                         |                                        | 2                               |             |
| 300601 (EVP-SK with cover) | 2,5 - 10                        | 30 x 4 mm or 20 x 3 mm<br>ø 8 - 12 mm* | 4                               |             |
|                            | 10 - 25                         |                                        | 6                               |             |
|                            | 25 - 70                         |                                        | 2                               |             |

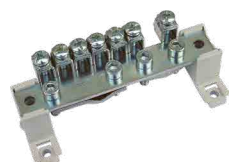
\* if necessary, this terminal for the groundig belt can also be used to connect a round conductor

### Equipotential terminal blocks single row

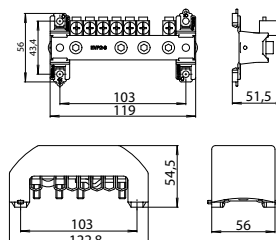
- Version with cover designed for a wall installation or on DIN rail with the possibility of sealing.
- Version without cover designed for an in-box installation or on DIN rail in switchboard.
- Ord. No. 300611 - with cover.

Complies with standards: EN 60947-7-1, EN 60998-2-1, EN 60998-1

Degree of protection: IP00, IP20 with cover  
Material: Brass bridge with steel screw clamps, isolators PA6.



300610



| Ord. No. (Type)             | Connectable cross section (mm²) | Connectable grounding belt           | Number of clamps for conductors | Pkg. (pcs.) |
|-----------------------------|---------------------------------|--------------------------------------|---------------------------------|-------------|
| 300610 (EVP2-S)             | 8 - 10                          | 30 x 4 mm or 20 x 3 mm<br>ø 8-12 mm* | 1                               | 5           |
|                             | 10 - 25                         |                                      | 7                               |             |
| 300611 (EVP2-SK with cover) | 8 - 10                          | 30 x 4 mm or 20 x 3 mm<br>ø 8-12 mm* | 1                               |             |
|                             | 10 - 25                         |                                      | 7                               |             |

\* if necessary, this terminal for the groundig belt can also be used to connect a round conductor

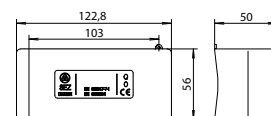
### Cover equipotential terminal block

- Cover can be secured by sealing for Ord. No: 300600 and 300610.
- The cover common for single and double-row terminal blocks.

Material: PA6



300620



| Ord. No. (Type) | Use with terminal blocks (Ord. No.) | Pkg. (pcs.) |
|-----------------|-------------------------------------|-------------|
| 300620 (EVP-K)  | 300600<br>300610                    | 5           |







## INSTALLATION BOXES AND CABLE GLANDS

## CONTENTS

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## Installation boxes, cable glands and terminal blocks

The safety of electric installations is greatly influenced by the quality of the installation distributions used in residential and industrial buildings. While most cable distributions are protected by the self-extinguishing halogen PVC, installation boxes available on the market are manufactured from various plastics with different self-extinguishability rates.

### INSTALLATION ON FLAMMABLE SURFACES

SEZ DK realizes our responsibility for your safety and so we developed an elaborated informational system of the usability of our installation boxes on the different classes of building materials with respect to their flammability. Standard STN EN 13501-1 introduced a new approach, where instead of flammability introduced "Reaction to fire".

tab. 1 - Slovak Republic

| Degree of flammability according to the old STN 730862 |                      | Classification according to the new STN EN 13501-1 (Reaction to fire) |
|--------------------------------------------------------|----------------------|-----------------------------------------------------------------------|
| A                                                      | Non-flammable        | A1                                                                    |
| B                                                      | Not easily flammable | A2-s1, d0                                                             |
| C1                                                     | Difficulty flammable | Other A2, B                                                           |
| C2                                                     | Medium flammable     | C                                                                     |
| C3                                                     | Easily flammable     | D, E                                                                  |
|                                                        |                      | F                                                                     |

tab. 2 - Czech Republic

| Degree of flammability according to the old ČSN 730862 |                      | Classification according to the new STN EN 13501-1 (Reaction to fire) |
|--------------------------------------------------------|----------------------|-----------------------------------------------------------------------|
| A                                                      | Non-flammable        | A1                                                                    |
| B                                                      | Not easily flammable | A2                                                                    |
| C1                                                     | Difficulty flammable | B                                                                     |
| C2                                                     | Medium flammable     | C or D                                                                |
| C3                                                     | Easily flammable     | E or F                                                                |

Below we present a detailed classification of particular building materials according to their trade names.

### LISTING OF BUILDING MATERIALS IN TERMS OF THEIR FLAMMABILITY ACCORDING TO STN 730823

#### Class: A - Meaning: non-flammable building materials

Example: stone, slate, sandstone, granite, concrete, bricks, concrete blocks, pavement blocks, ceramic tiles, mortars, cement plasters, gypsum plasters, perlite, building metals (steel, aluminum), glass, fused basalt and fire-retardant coatings and some types of plasterboard.

#### Class: B - Meaning: not easily flammable

Example: Akumin, Izomin, Heraclite, nonsoftened PVC (Novodur, Durofol B), tough PVC (Duroplast H, Dekorplast), retarded polyester glass laminate, mineral fiber boards (basalt felt).

#### Class: C1 - Meaning: difficulty flammable

Example: foliaceous wood (oak, beech, ash), retarded polystyrene, hardened paper, organic fiber boards, plywood for general use.

#### Class: C2 - Meaning: medium flammable

Example: coniferous wood (spruce, fir, pine, red spruce), general purpose chipboard, SP-type cork boards, cork parquets, rubber flooring.

#### Class: C3 - Meaning: easily flammable

Example: laminated chipboards, sawdust boards, BA type cork boards, linear polyethylene, expanded polyethylene standard, organic glass (Acrylon, Umaplex), polypropylene, foam rubber, rubber insulation carpet for electrical engineering, floor fabrics woven with synthetic fibres, cardboard and bituminous binder materials, asphalt belt with a type S cardboard insert.

According to the new standard STN 33 2312: 2013 not required thermal insulation panel. Article 4. 6. 1 of that standard states that the mounting box directly into a flammable material can be performed, provided that the boxes are resistant to the spread of flame, or meet resistance of insulating material requirements according to STN EN 60670 -1 i resistance to glow wire 650 °C. (850 °C for hollow walls).

### MATERIALS USED

We build on our long-standing experience and our customers' requirements in the construction of our products. We take into account the requirements of maximum quality and environmental protection, as well as those of budget limitations.

### RESISTANCE OF MATERIALS

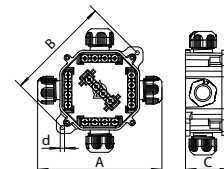
The external parts of products and the insulation parts bearing live parts must be resistant to both excessive heat and combustion. The hot wire test, detailed in IEC 60695-2-11, is used to check whether this requirement has been met. The minimum resistance to hot wire effects is 650 °C for covers made of insulation material and 850 °C for insulation parts bearing live parts and for insulation parts into hollow walls.



### Distribution boxes ACIDUR 3 with lamellar cable glands - IP67

- Used for connecting and branching of installation cables.
- For use in an environment with increased humidity and dust.
- Cable sealing with a single elastic sealing ring.
- Ensured sealing after cutting off the preinjected blanks even without a cable.
- Protected design at EU level.

Complies with standards: STN EN 60670-1 and STN EN 60670-22  
Degree of protection: IP67  
Halogen-free material: PA - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Installation on the surface of class (SK): I<sub>max</sub> ≤ 16 A - materials A1 to E  
I<sub>max</sub> > 16 A - material A1  
Operating temperature: -25 °C to +60 °C

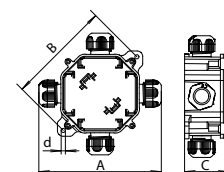


| Ord. No. (Type)                 | Rigid conductor cross section (mm <sup>2</sup> ) | Bridges / No. of terminals |     |     | Sealing range (mm) | Colour | Pkg. (pcs.) | Dimensions (mm) |     |     |    |
|---------------------------------|--------------------------------------------------|----------------------------|-----|-----|--------------------|--------|-------------|-----------------|-----|-----|----|
|                                 |                                                  | L                          | N   | PE  |                    |        |             | A               | B   | d   | C  |
| 400022 (6455-11 5.P/2 ACIDUR 3) | 4                                                | 3/4                        | 1/4 | 1/4 | 7 - 14,5           | grey   | 50          | 125             | 106 | 4,2 | 45 |
| 400023 (6455-11 5.P/5 ACIDUR 3) |                                                  |                            |     |     |                    | black  |             |                 |     |     |    |
| 400024 (6455-11 5.P/7 ACIDUR 3) |                                                  |                            |     |     |                    | brown  |             |                 |     |     |    |
| 400025 (6455-12 5.P/2 ACIDUR 3) | 4                                                | 3/4                        | 1/4 | -   | 7 - 14,5           | grey   | 50          | 125             | 106 | 4,2 | 45 |
| 400026 (6455-12 5.P/5 ACIDUR 3) |                                                  |                            |     |     |                    | black  |             |                 |     |     |    |
| 400027 (6455-12 5.P/7 ACIDUR 3) |                                                  |                            |     |     |                    | brown  |             |                 |     |     |    |

### Junction boxes ACIDUR 3 with lamellar cable glands (empty; screwless terminals)

- Used to connect installation cables.
- For use in an environment with increased humidity and dust.
- Cable glands with two cut-off thin-wall elastic ruffs to achieve appropriate sealing in two ranges.
- Ensured sealing after cutting off the preinjected blanks even without a cable.
- Protected design at EU level.
- Ord. No. 400034, 400035, 400036 contain 4-wire screwless terminals with holes for measurement.

Complies with standards: STN EN 60670-1 and STN EN 60670-22  
Degree of protection: IP67  
Halogen-free material: PA - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Installation on the surface of class (SK): I<sub>max</sub> ≤ 16 A - materials A1 to E  
I<sub>max</sub> > 16 A - material A1  
Operating temperature: -25 °C to +60 °C

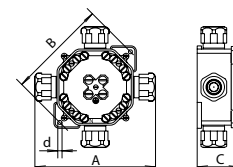


| Ord. No. (Type)                    | Rigid conductor cross section (mm²) | Bridges / No. of terminals     |   |    | Sealing range (mm) | Colour | Pkg. (pcs.) | Dimensions (mm) |     |     |    |
|------------------------------------|-------------------------------------|--------------------------------|---|----|--------------------|--------|-------------|-----------------|-----|-----|----|
|                                    |                                     | L                              | N | PE |                    |        |             | A               | B   | d   | C  |
| 400028 (6455-11 5.P/2 ACIDUR 3/BM) | 4                                   | -                              | - | -  | 7 - 14,5           | grey   | 50          | 125             | 106 | 4,2 | 45 |
| 400029 (6455-11 5.P/5 ACIDUR 3/BM) |                                     |                                |   |    |                    | black  |             |                 |     |     |    |
| 400034 (6455-11 5.P/2 ACIDUR 3/BS) | 2,5                                 | 5 x 4-wire screwless terminals |   |    | 7 - 14,5           | grey   |             |                 |     |     |    |
| 400035 (6455-11 5.P/5 ACIDUR 3/BS) |                                     |                                |   |    |                    | black  |             |                 |     |     |    |
| 400036 (6455-11 5.P/7 ACIDUR 3/BS) |                                     |                                |   |    |                    | brown  |             |                 |     |     |    |
|                                    |                                     |                                |   |    |                    |        |             |                 |     |     |    |

### Distribution boxes ACIDUR Classic with cable glands - IP67

- Used to connect installation cables.
- For use in an environment with increased humidity and dust.
- Cable glands with two cut-off thin-wall elastic ruffs to achieve appropriate sealing in two ranges.

Complies with standards: STN EN 60670-1 and STN EN 60670-22  
Degree of protection: IP67  
Material: PP - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Installation on the surface of class (SK): I<sub>max</sub> ≤ 16 A - materials A1 to E  
I<sub>max</sub> > 16 A - material A1  
Operating temperature: -25 °C to +60 °C



| Ord. No. (Type)       | Rigid conductor cross section (mm <sup>2</sup> ) | Bridges / No. of terminals |     |     | Sealing range (mm) | Colour | Pkg. (pcs.) | Dimensions (mm) |     |     |      |
|-----------------------|--------------------------------------------------|----------------------------|-----|-----|--------------------|--------|-------------|-----------------|-----|-----|------|
|                       |                                                  | L                          | N   | PE  |                    |        |             | A               | B   | d   | C    |
| 400017 (6455-26P/2)   | 6                                                | 3/4                        | 1/4 | -   | 9 - 13<br>15 - 19  | grey   | 20          | 144             | 134 | 5,3 | 67,0 |
| 400018 (6455-26P/5)   |                                                  |                            |     |     |                    | black  |             |                 |     |     |      |
| 400019 (6455-26P/2BM) |                                                  |                            |     |     |                    | grey   |             |                 |     |     |      |
| 400033 (6455-26P/5BM) | 6                                                | 3/4                        | 1/4 | 1/4 | 9 - 13<br>15 - 19  | black  | 20          | 144             | 134 | 5,3 | 67,0 |
| 400020 (6455-27P/2)   |                                                  |                            |     |     |                    | grey   |             |                 |     |     |      |
| 400021 (6455-27P/5)   |                                                  |                            |     |     |                    | black  |             |                 |     |     |      |

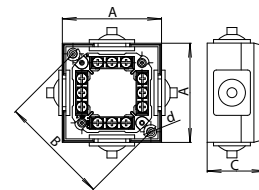
## Distribution box with elastic cut-off glands - IP43

- Used to connect installation cables.
- Cable sealing range from 7 to 14 mm.
- The box contains 4P terminal ring.

|                                            |                                                           |
|--------------------------------------------|-----------------------------------------------------------|
| Complies with standards:                   | STN EN 60670-1<br>and STN EN 60670-22                     |
| Degree of protection:                      | IP43                                                      |
| Material:                                  | PVC - self-extinguishing                                  |
| Nominal insulation voltage:                | 400 V~                                                    |
| Glow wire test:                            | 850 °C                                                    |
| Installation on the surface of class (SK): | I <sub>max</sub> ≤ 16 A - materials A1 to E               |
| Operating temperature:                     | I <sub>max</sub> > 16 A - material A1<br>-25 °C to +60 °C |



400040



| Ord. No. (Type)  | Rigid conductor cross section (mm²) | Bridges / No. of term. |     | Sealing range (mm) | Colour | Pkg. (pcs.) | Dimensions (mm) |      |     |      |
|------------------|-------------------------------------|------------------------|-----|--------------------|--------|-------------|-----------------|------|-----|------|
|                  |                                     | L                      | N   |                    |        |             | A               | B    | d   | C    |
| 400040 (6456-13) | 4                                   | 3/3                    | 1/3 | 7 - 14             | white  | 50          | 70              | 77,8 | 3,2 | 41,5 |

## Universal boxes 71 x 43 mm

- Allows to install the lid by snapping at the adjustable depth.
- Allows to install also a lid with a 60 mm screw distance.
- The lock allows to link boxes side by side.

|                                            |                                       |
|--------------------------------------------|---------------------------------------|
| Complies with standards:                   | STN EN 60670-1<br>and STN EN 60670-22 |
| Degree of protection:                      | IP20 with lid                         |
| Material:                                  | PP                                    |
| Nominal insulation voltage:                | 400 V~                                |
| Glow wire test:                            | 650 °C                                |
| Installation on the surface of class (SK): | material A1                           |
| Operating temperature:                     | -25 °C to +60 °C                      |



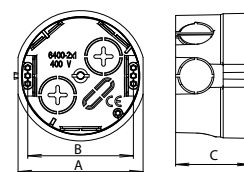
400100



400101



400102



| Ord. No. (Type)     | Diameter (mm) | Depth (mm) | Inlet openings           | Accessories in the package   | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |
|---------------------|---------------|------------|--------------------------|------------------------------|--------|-------------|-----------------|----|----|
|                     |               |            |                          |                              |        |             | A               | B  | C  |
| 400100 (6400-201/3) | 71            | 43         | 7 x ø 20<br>1 x (6 x 20) | -                            | black  | 100         | 71              | 60 | 43 |
| 400101 (6400-211/3) |               | 43         |                          | Lid 82 mm                    |        |             |                 |    |    |
| 400102 (6400-221/3) |               | 43         |                          | Lid 82 mm 4P/3 terminal ring |        |             |                 |    |    |

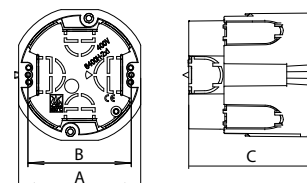
## Univerzal deep box 71 x 73 mm for intelligent installations

- Used for simultaneous cables distribution and installation of terminal ring 4P/3 clamps and installation of electro-installation devices as well as devices of intelligent installation.
- Allows to install also a lid with a 60 mm screw distance.
- The lock allows to link boxes side by side.

|                                            |                                       |
|--------------------------------------------|---------------------------------------|
| Complies with standards:                   | STN EN 60670-1<br>and STN EN 60670-22 |
| Degree of protection:                      | IP20 with lid                         |
| Material:                                  | PP                                    |
| Nominal insulation voltage:                | 400 V~                                |
| Glow wire test:                            | 650 °C                                |
| Installation on the surface of class (SK): | material A1                           |
| Operating temperature:                     | -25 °C to +60 °C                      |



400110



| Ord. No. (Type)      | Diameter (mm) | Depth (mm) | Inlet openings                                  | Accessories in the package | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |
|----------------------|---------------|------------|-------------------------------------------------|----------------------------|--------|-------------|-----------------|----|----|
|                      |               |            |                                                 |                            |        |             | A               | B  | C  |
| 400110 (6400H-201/3) | 71            | 73         | 4 x (21 x 33)<br>2 x (21 x 23)<br>2 x (17 x 21) | -                          | grey   | 100         | 71              | 60 | 73 |

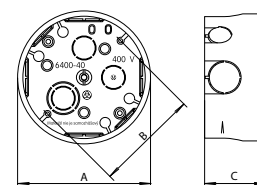
## Universal box 112 x 52 mm

- Used for convenient branching of cables (generous mounting space).
- Allows you to install terminal rings 4P/4 clamps or 5P/4 clamps.

|                                            |                                       |
|--------------------------------------------|---------------------------------------|
| Complies with standards:                   | STN EN 60670-1<br>and STN EN 60670-22 |
| Degree of protection:                      | IP20 with lid                         |
| Material:                                  | PP                                    |
| Nominal insulation voltage:                | 400 V~                                |
| Glow wire test:                            | 650 °C                                |
| Installation on the surface of class (SK): | material A1                           |
| Operating temperature:                     | -25 °C to +60 °C                      |



400120



| Ord. No. (Type)  | Diameter (mm) | Depth (mm) | Inlet openings                      | Accessories in the package | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |
|------------------|---------------|------------|-------------------------------------|----------------------------|--------|-------------|-----------------|----|----|
|                  |               |            |                                     |                            |        |             | A               | B  | C  |
| 400120 (6400-41) | 112           | 52         | 4 x ø 20<br>4 x ø 27<br>1 x ø 20/27 | Lid 120 mm                 | black  | 20          | 112             | 88 | 52 |

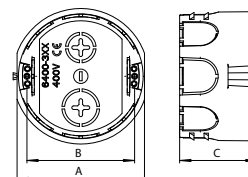
### Instrument box 71 x 43 mm halogen-free

- Halogen-free material for buildings with an increased request for protection of people and property.
- The lock allows to link boxes side by side.

|                                            |                  |
|--------------------------------------------|------------------|
| Complies with standards:                   | STN EN 60670-1   |
| Degree of protection:                      | IP20 with lid    |
| Halogen-free material:                     | ABS              |
| Nominal insulation voltage:                | 400 V~           |
| Glow wire test:                            | 650 °C           |
| Installation on the surface of class (SK): | material A1      |
| Operating temperature:                     | -25 °C to +60 °C |



400130



| Ord. No. (Type)   | Diameter (mm) | Depth (mm) | Inlet openings                        | Accessories in the package | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |
|-------------------|---------------|------------|---------------------------------------|----------------------------|--------|-------------|-----------------|----|----|
|                   |               |            |                                       |                            |        |             | A               | B  | C  |
| 400130 (6400-301) | 71            | 43         | 8 x (20 x 20)<br>1 x Ø 17<br>1 x Ø 21 | -                          | black  | 100         | 71              | 60 | 43 |

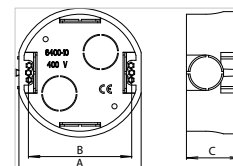
### Instrument box 71 x 32 mm for thin walls

- Used for mounting of electrical installation devices in thin walls.
- The lock allows to link boxes side by side.

|                                            |                  |
|--------------------------------------------|------------------|
| Complies with standards:                   | STN EN 60670-1   |
| Degree of protection:                      | IP20 with lid    |
| Material:                                  | PP               |
| Nominal insulation voltage:                | 400 V~           |
| Glow wire test:                            | 650 °C           |
| Installation on the surface of class (SK): | material A1      |
| Operating temperature:                     | -25 °C to +60 °C |



400140



| Ord. No. (Type)  | Diameter (mm) | Depth (mm) | Inlet openings | Accessories in the package | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |
|------------------|---------------|------------|----------------|----------------------------|--------|-------------|-----------------|----|----|
|                  |               |            |                |                            |        |             | A               | B  | C  |
| 400140 (6400-10) | 71            | 32         | 6 x Ø 20       | -                          | black  | 100         | 71              | 60 | 32 |

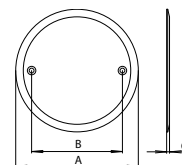
### Lids with screws

- For final covering of universal and instrument junction boxes.
- Lid used for closing of boxes with a 60 mm screw distance.

|                          |                  |
|--------------------------|------------------|
| Complies with standards: | STN EN 60670-1   |
| Halogen-free material:   | ABS              |
| Glow wire test:          | 650 °C           |
| Operating temperature:   | -25 °C to +60 °C |



400150



| Ord. No. (Type) | Diameter (mm) | Depth (mm) | Colour | Pkg. (pcs.) | Dimensions (mm) |    |     |
|-----------------|---------------|------------|--------|-------------|-----------------|----|-----|
|                 |               |            |        |             | A               | B  | C   |
| 400150 (V 081)  | 81            | 1,9        | white  | 100         | 81              | 60 | 1,9 |

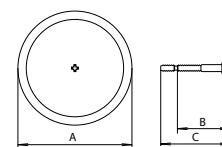
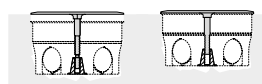
### Snap-on lids

- For final covering of universal and instrument junction boxes.
- The lengthened thread of lid is used when mounted into a box which has not been levelled with the plaster surface. Break off the lengthened part of thread when mounting into a correctly installed box.

|                          |                  |
|--------------------------|------------------|
| Complies with standards: | STN EN 60670-1   |
| Halogen-free material:   | ABS              |
| Glow wire test:          | 650 °C           |
| Operating temperature:   | -25 °C to +60 °C |



400151



| Ord. No. (Type) | Diameter (mm) | Depth (mm) | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |
|-----------------|---------------|------------|--------|-------------|-----------------|----|----|
|                 |               |            |        |             | A               | B  | C  |
| 400151 (V 082)  | 82            | 50         | white  | 100         | 82              | 38 | 50 |
| 400152 (V 120)  | 120           | 60         |        |             | 120             | 48 | 60 |



### Deep univerzal box 71 x 73 mm for intelligent installations

- Used for simultaneous cables distribution and installation of terminal ring 4P/3 clamps and installation of electro-installation devices as well as devices of intelligent installation.
- Thickness of the hollow wall 10 to 30 mm.
- The lock allows to link boxes side by side.
- Box designed for use in hollow walls.
- Ord. No. 400201 includes a terminal ring 4P/3 with a 82 mm lid.

Complies with standards: STN EN 60670-1 and STN EN 60670-22  
Material: PP - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Instal. on the surface of class (SK): materials A1 to E  
Operating temperature: -25 °C to +60 °C



| Ord. No. (Type)              | Diameter (mm) | Depth (mm) | Inlet openings                 | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |    |    |
|------------------------------|---------------|------------|--------------------------------|--------|-------------|-----------------|----|----|----|----|
|                              |               |            |                                |        |             | A               | B  | C  | D  | D1 |
| 400200 (KUP 68H-201/3 LP SK) | 71            | 73         | 4 x (21 x 33)                  | grey   | 50          | 71              | 60 | 73 | 79 | 72 |
| 400201 (KUP 68H-221/3 LP SK) |               |            | 2 x (21 x 23)<br>2 x (17 x 21) |        |             |                 |    |    |    |    |

### Universal box for hollow walls

- New claws made from plastic.
- The metal screw features a double thread that speeds up the assembly into hollow walls.
- Thickness of the hollow wall 5 to 30 mm.
- Diameter of drilled holes 72 mm.

Complies with standards: STN EN 60670-1  
Material: PP - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Instal. on the surface of class (SK): materials A1 to E  
Operating temperature: -25 °C to +60 °C



| Ord. No. (Type)       | Hole diameter D1 (mm) | Depth (mm) | Inlet openings | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |    |    |
|-----------------------|-----------------------|------------|----------------|--------|-------------|-----------------|----|----|----|----|
|                       |                       |            |                |        |             | A               | B  | C  | D  | D1 |
| 400211 (KUP 68 LP/SK) | 72                    | 45         | 3 x ø 21/12    | grey   | 100         | 76              | 60 | 45 | 79 | 72 |

### Universal box for hollow walls, double

- New claws made from plastic.
- The metal screw features a double thread that speeds up the assembly into hollow walls.
- Thickness of the hollow wall 5 to 30 mm.
- Diameter of drilled holes 68 mm.
- For installations into multiple frames.

Complies with standards: STN EN 60670-1  
Material: PP - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Instal. on the surface of class (SK): materials A1 to E  
Operating temperature: -25 °C to +60 °C

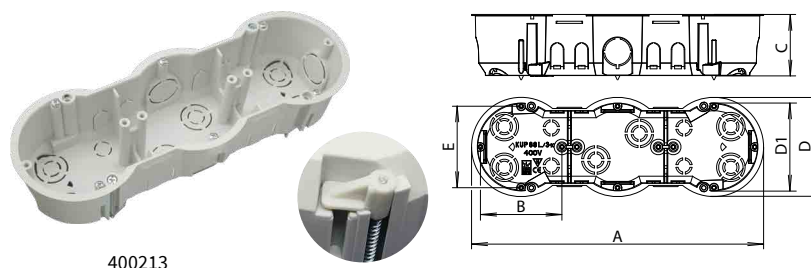


| Ord. No. (Type)         | Length (mm) | Depth (mm) | Inlet openings                                       | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |    |    |
|-------------------------|-------------|------------|------------------------------------------------------|--------|-------------|-----------------|----|----|----|----|
|                         |             |            |                                                      |        |             | A               | B  | C  | D  | D1 |
| 400212 (KUP 68 LP/2 SK) | 144         | 45         | 4 x ø 21/12<br>4 x ø 12<br>2 x ø 21<br>4 x (10 x 18) | grey   | 50          | 144             | 60 | 45 | 73 | 68 |

### Universal box for hollow walls, tripple

- New claws made from plastic.
- The metal screw features a double thread that speeds up the assembly into hollow walls.
- Thickness of the hollow wall 5 to 30 mm.
- Diameter of drilled holes 68 mm.
- Or installations into multiple frames.

Complies with standards: STN EN 60670-1  
Material: PP - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Instal. on the surface of class (SK): materials A1 to E  
Operating temperature: -25 °C to +60 °C



| Ord. No. (Type)         | Length (mm) | Depth (mm) | Inlet openings                                       | Colour | Pkg. (pcs.) | Dimensions (mm) |     |    |    |    |
|-------------------------|-------------|------------|------------------------------------------------------|--------|-------------|-----------------|-----|----|----|----|
|                         |             |            |                                                      |        |             | A               | B/E | C  | D  | D1 |
| 400213 (KUP 68 LP/3 SK) | 215         | 45         | 6 x ø 21/12<br>4 x ø 12<br>4 x ø 21<br>8 x (10 x 18) | grey   | 50          | 215             | 60  | 45 | 73 | 68 |

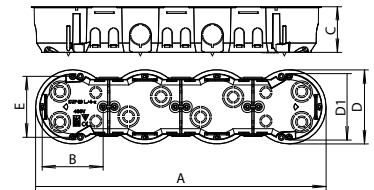
## Universal box for hollow walls, quadruple

- New claws made from plastic.
- The metal screw features a double thread that speeds up the assembly into hollow walls.
- Thickness of the hollow wall 5 to 30 mm.
- Diameter of drilled holes 68 mm.
- Or installations into multiple frames.

Complies with standards: STN EN 60670-1  
Material: PP - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Installation on the surface of class (SK): materials A1 to E  
Operating temperature: -25 °C to +60 °C



400214



| Ord. No. (Type)         | Length (mm) | Depth (mm) | Inlet openings                                        | Colour | Pkg. (pcs.) | Dimensions (mm) |     |    |    |    |
|-------------------------|-------------|------------|-------------------------------------------------------|--------|-------------|-----------------|-----|----|----|----|
|                         |             |            |                                                       |        |             | A               | B/E | C  | D  | D1 |
| 400214 (KUP 68 LP/4 SK) | 286         | 45         | 8 x ø 21/12<br>4 x ø 12<br>6 x ø 21<br>12 x (10 x 18) | grey   | 20          | 286             | 60  | 45 | 73 | 68 |

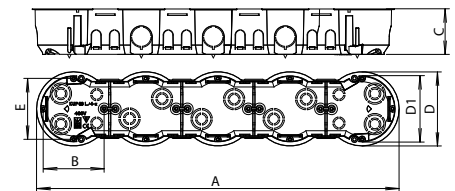
## Universal box for hollow walls, fivefold

- Thickness of the hollow wall 5 to 30 mm.
- Diameter of drilled holes 68 mm.
- Or installations into multiple frames.

Complies with standards: STN EN 60670-1  
Material: PP - self-extinguishing  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Installation on the surface of class (SK): materials A1 to E  
Operating temperature: -25 °C to +60 °C



400215



| Ord. No. (Type)      | Length (mm) | Depth (mm) | Inlet openings                                             | Colour | Pkg. (pcs.) | Dimensions (mm) |     |    |    |    |
|----------------------|-------------|------------|------------------------------------------------------------|--------|-------------|-----------------|-----|----|----|----|
|                      |             |            |                                                            |        |             | A               | B/E | C  | D  | D1 |
| 400215 (KUP 68 LA/5) | 356         | 45         | 10 x ø 10/20<br>6 x ø 20<br>8 x (15 x 18)<br>8 x (10 x 18) | grey   | 20          | 356             | 60  | 45 | 73 | 68 |

## Terminal ring 4P/3 clamps and 4P/4 clamps

- Used to connect installation cables in boxes.
- Ord. No. 400250 use with boxes Ord. No. 400100, 400101, 400110, 400200, 400501, 400511.
- Ord. No. 400251 use with boxes Ord. No. 400120.

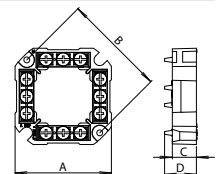
Complies with standards: STN EN 60998-1  
STN EN 60998-2-1  
Degree of protection: IP00  
Material: PA - self-extinguishing flame resistant  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Operating temperature: -25 °C to +60 °C



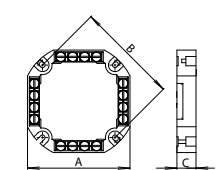
400250



400251



400250



400251

| Ord. No. (Type)       | Rigid conductor cross section (mm²) | Bridges / No. of terminals |     | Colour | Pkg. (pcs.) | Dimensions (mm) |    |    |      |
|-----------------------|-------------------------------------|----------------------------|-----|--------|-------------|-----------------|----|----|------|
|                       |                                     | L                          | N   |        |             | A               | B  | C  | D    |
| 400250 (6303-13 P1/S) | 4                                   | 3/3                        | 1/3 | grey   | 50          | 56              | 60 | 14 | 18,5 |
| 400251 (6303-15 P/S)  | 4                                   | 3/4                        | 1/4 | grey   |             | 86              | 86 | 16 | -    |

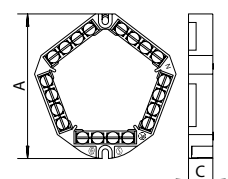
## Terminal ring 5P/4 clamps

- Used to connect installation cables in boxes.
- Ord. No. 400253 use with boxes Ord. No. 400120.

Complies with standards: STN EN 60998-1  
STN EN 60998-2-1  
Degree of protection: IP00  
Material: PA - self-extinguishing flame resistant  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Operating temperature: -25 °C to +60 °C



400253



| Ord. No. (Type)    | Rigid conductor cross section (mm²) | Bridges / No. of terminals |     |     | Colour | Pkg. (pcs.) | Dimensions (mm) |    |
|--------------------|-------------------------------------|----------------------------|-----|-----|--------|-------------|-----------------|----|
|                    |                                     | L                          | N   | PE  |        |             | A               | C  |
| 400253 (6304-15/S) | 4                                   | 3/4                        | 1/4 | 1/4 | grey   | 50          | 95              | 16 |

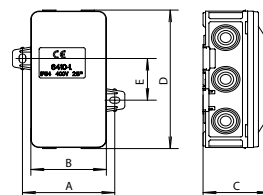
### Junction boxes with elastic cut-off glands 45 x 90 mm

- Elastic cut-off glands.
- Snap-on lid.
- Adjusting elements allow easy in-line linking of boxes.
- A comprehensive range of "soft" branch boxes in three sizes with the function of in-line linking into assemblies.
- Holes for drained water can be cut off.

Complies with standards: STN EN 60670-1  
Degree of protection: IP54  
Material: PP-lid, PE - box  
Nominal insulation voltage: 400 V~  
Glow wire test: 650 °C  
Installation on the surface of class (SK): material A1  
Temperature: (STN EN 60670-1) -5 °C to +60 °C



400300



| Ord. No. (Type)  | Dimensions<br>B x C x D (mm) | Sealing range<br>(mm) | Inlet openings                                      | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |    |
|------------------|------------------------------|-----------------------|-----------------------------------------------------|--------|----------------|-----------------|----|
|                  |                              |                       |                                                     |        |                | A               | E  |
| 400300 (6410-10) | 45 x 40 x 90                 | 5 - 10<br>7 - 14      | 10 x ø 6,5<br>10 x ø 9,5<br>from the bottom 2 x ø 5 | grey   | 100            | 56              | 27 |

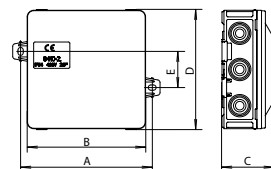
### Junction boxes with elastic cut-off glands 90 x 90 mm

- Elastic cut-off glands.
- Snap-on lid.
- Adjusting elements allow easy in-line linking of boxes.
- A comprehensive range of "soft" branch boxes in three sizes with the function of in-line linking into assemblies.
- Holes for drained water can be cut off.

Complies with standards: STN EN 60670-1  
Degree of protection: IP54  
Material: PP-lid, PE - box  
Nominal insulation voltage: 400 V~  
Glow wire test: 650 °C  
Installation on the surface of class (SK): material A1  
Temperature: (STN EN 60670-1) -5 °C to +60 °C



400301



| Ord. No. (Type)  | Dimensions<br>B x C x D (mm) | Sealing range<br>(mm) | Inlet openings                                      | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |    |
|------------------|------------------------------|-----------------------|-----------------------------------------------------|--------|----------------|-----------------|----|
|                  |                              |                       |                                                     |        |                | A               | E  |
| 400301 (6410-20) | 90 x 40 x 90                 | 5 - 10<br>7 - 14      | 14 x ø 6,5<br>14 x ø 9,5<br>from the bottom 4 x ø 5 | grey   | 100            | 101             | 27 |

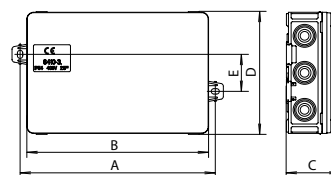
### Junction boxes with elastic cut-off glands 135 x 90 mm

- Elastic cut-off glands.
- Snap-on lid.
- Adjusting elements allow easy in-line linking of boxes.
- A comprehensive range of "soft" branch boxes in three sizes with the function of in-line linking into assemblies.
- Holes for drained water can be cut off.

Complies with standards: STN EN 60670-1  
Degree of protection: IP54  
Material: PP-lid, PE - box  
Nominal insulation voltage: 400 V~  
Glow wire test: 650 °C  
Installation on the surface of class (SK): material A1  
Temperature: (STN EN 60670-1) -5 °C to +60 °C



400302



| Ord. No. (Type)  | Dimensions<br>B x C x D (mm) | Sealing range<br>(mm) | Inlet openings                                      | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |    |
|------------------|------------------------------|-----------------------|-----------------------------------------------------|--------|----------------|-----------------|----|
|                  |                              |                       |                                                     |        |                | A               | E  |
| 400302 (6410-30) | 135 x 40 x 90                | 5 - 10<br>7 - 14      | 18 x ø 6,5<br>18 x ø 9,5<br>from the bottom 4 x ø 5 | grey   | 50             | 146             | 27 |



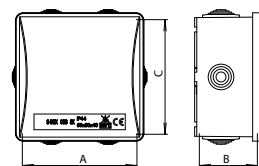
### S-BOX Mini installation box with elastic cut-off glands

- Snap-on lid reduces box opening time by 90 %.
- Protection class II.
- Mechanical resistance IK08.

Complies with standards: STN EN 60670-1  
 Degree of protection: IP44  
 Halogen-free material: ABS  
 Nominal insulation voltage: 400 V~  
 Glow wire test: 650 °C  
 Installation on the surface of class (SK): material A1  
 Operating temperature: -25 °C to +60 °C



400310



| Ord. No. (Type)    | Dimensions<br>A x B x C (mm) | Elastic cut-off glands  | Colour | Pkg.<br>(pcs.) |
|--------------------|------------------------------|-------------------------|--------|----------------|
| 400310 (S-Box 036) | 80 x 40 x 80                 | 6 x Pg 13,5 (ø 20,5 mm) | grey   | 100            |

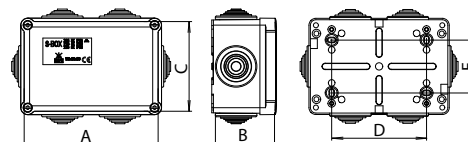
### S-BOX installation boxes with elastic cut-off glands

- Elements for attaching of electrical devices directly to the bottom of the box or using a DIN rail.
- 2 sets of mounting holes (inside/outside of the protected area) to be fixed up to two ways to the wall or the surface.
- Zinced screws with combi head.
- Protection class II.
- Mechanical resistance IK08.

Complies with standards: STN EN 60670-1  
 Degree of protection: IP55  
 Halogen-free material: ABS  
 Nominal insulation voltage: 400 V~  
 Glow wire test: 650 °C  
 Installation on the surface of class (SK): material A1  
 Operating temperature: -25 °C to +60 °C



400351



| Ord. No. (Type)    | Dimensions<br>A x B x C (mm) | Elastic cut-off glands | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |     |
|--------------------|------------------------------|------------------------|--------|----------------|-----------------|-----|
|                    |                              |                        |        |                | D               | E   |
| 400350 (S-Box 106) | 100 x 50 x 100               | 6 x Pg 21 (ø 29 mm)    | grey   | 50             | 60              | 60  |
| 400351 (S-Box 206) | 120 x 50 x 80                | 6 x Pg 21 (ø 29 mm)    |        |                | 86              | 48  |
| 400352 (S-Box 306) | 150 x 70 x 110               | 10 x Pg 21 (ø 29 mm)   |        |                | 116             | 72  |
| 400353 (S-Box 406) | 190 x 70 x 140               | 10 x Pg 29 (ø 37 mm)   |        | 20             | 158             | 102 |
| 400354 (S-Box 506) | 240 x 90 x 190               | 12 x Pg 29 (ø 37 mm)   |        | 5              | 206             | 152 |
| 400355 (S-Box 606) | 300 x 120 x 220              | 12 x Pg 29 (ø 37 mm)   |        |                | 266             | 175 |
| 400356 (S-Box 706) | 380 x 120 x 300              | 12 x Pg 29 (ø 37 mm)   |        |                | 289             | 259 |
| 400357 (S-Box 806) | 460 x 120 x 380              | 18 x Pg 29 (ø 37 mm)   |        | 1              | 398             | 303 |

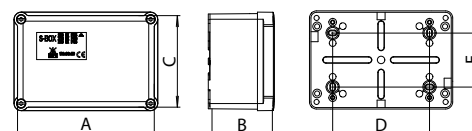
### S-BOX installation boxes with plain walls (without glands)

- Elements for attaching of electrical devices directly to the bottom of the box or using a DIN rail.
- 2 sets of mounting holes (inside/outside of the protected area) to be fixed up to two ways to the wall or the surface.
- Zinced screws with combi head.
- Protection class II.
- Mechanical resistance IK08.

Complies with standards: STN EN 60670-1  
 Degree of protection: IP66  
 Degree of protection: IP 56 (Ord. No. 400366, 400367)  
 Halogen-free material: ABS  
 Nominal insulation voltage: 400 V~  
 Glow wire test: 650 °C  
 Installation on the surface of class (SK): material A1  
 Operating temperature: -25 °C to +60 °C



400362



| Ord. No. (Type)    | Dimensions<br>A x B x C (mm) | Elastic cut-off glands. | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |     |
|--------------------|------------------------------|-------------------------|--------|----------------|-----------------|-----|
|                    |                              |                         |        |                | D               | E   |
| 400360 (S-Box 116) | 100 x 50 x 100               | -                       | grey   | 50             | 60              | 60  |
| 400361 (S-Box 216) | 120 x 50 x 80                |                         |        |                | 86              | 48  |
| 400362 (S-Box 316) | 150 x 70 x 110               |                         |        |                | 116             | 72  |
| 400363 (S-Box 416) | 190 x 70 x 140               |                         |        | 20             | 158             | 102 |
| 400364 (S-Box 516) | 240 x 90 x 190               |                         |        | 5              | 206             | 152 |
| 400365 (S-Box 616) | 300 x 120 x 220              |                         |        |                | 266             | 175 |
| 400366 (S-Box 716) | 380 x 120 x 300              |                         |        |                | 289             | 259 |
| 400367 (S-Box 816) | 460 x 120 x 380              |                         |        | 1              | 398             | 303 |

## Junction box with proven functionality in fire 105 x 105 mm

- Ceramic terminal blocks mounted on a metal carrier.
- The mounting of the box is done from inside through 2 holes in the carrier. Under the carrier are 2 metal spacer rollers, whose one end rests on the carrier bottom and the other end touches the wall or ceiling.
- Zinc plated screws with combi head.
- Mechanical resistance IK08.

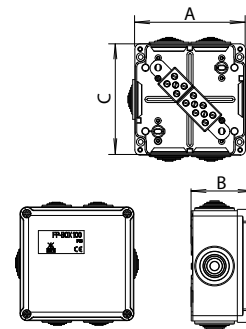
Complies with standards: STN 92 0205, class PS 90  
ČSN 73 0895, class P 90-R  
DIN 4102-12, class E 90  
IP55  
Degree of protection: PA - self-extinguishing  
Halogen-free material:  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Installation on the surface of class (SK): material A1  
Operating temperature: -25 °C to +60 °C



400400



400404



| Ord. No. (Type)        | Dimensions<br>A x B x C (mm) | Elastic cut-off<br>glands | Cross section<br>(mm <sup>2</sup> ) | Ceramic terminal<br>block | Mounting holes                      | Colour | Pkg.<br>(pcs.) |
|------------------------|------------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|--------|----------------|
| 400402 (PO 105 3P/4)   | 104,6 x 58,5 x 104,6         | 6 x Pg 21<br>(ø 29 mm)    | 4                                   | 3 - pole                  | 2 x ø 6,4 mm,<br>spacing 60 x 60 mm | orange | 10             |
| 400404 (PO 105 3P/4F)  |                              |                           |                                     | 4 - pole                  |                                     |        |                |
| 400403 (PO 105 4P/4)   |                              |                           |                                     | 5 - pole                  |                                     |        |                |
| 400400 (PO 105 5P/4)   |                              |                           | 10                                  | 3 - pole                  |                                     |        |                |
| 400406 (PO 105 3P/10)  |                              |                           |                                     | 4 - pole                  |                                     |        |                |
| 400405 (PO 105 3P/10F) |                              |                           |                                     | 5 - pole                  |                                     |        |                |
| 400401 (PO 105 5P/10)  |                              |                           |                                     |                           |                                     |        |                |

Order no. 400404, 400405 contain 4-pole terminal blocks, one pole intended for connecting of a thermal fuse TH 152 °C, 10A, 250V~.

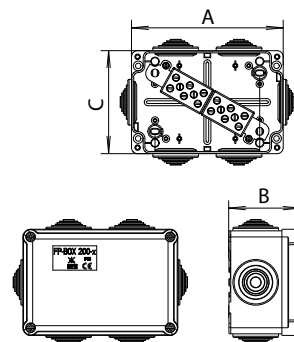
## Junction box with proven functionality in fire 125 x 85 mm

- Ceramic terminal blocks mounted on a metal carrier.
- The mounting of the box is done from inside through 2 holes in the carrier. Under the carrier are 2 metal spacer rollers, whose one end rests on the carrier bottom and the other end touches the wall or ceiling.
- Zinc plated screws with combi head.
- Mechanical resistance IK08.

Complies with standards: STN 92 0205, class PS 90  
ČSN 73 0895, class P 90-R  
DIN 4102-12, class E 90  
IP55  
Degree of protection: PA - self-extinguishing  
Halogen-free material:  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Installation on the surface of class (SK): material A1  
Operating temperature: -25 °C to +60 °C



400410



| Ord. No. (Type)       | Dimensions<br>A x B x C (mm) | Elastic cut-off<br>glands | Cross section<br>(mm <sup>2</sup> ) | Ceramic terminal<br>block | Mounting holes                      | Colour | Pkg.<br>(pcs.) |
|-----------------------|------------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|--------|----------------|
| 400410 (PO 125 6P/4)  | 124,6 x 58,5 x 84,6          | 6 x Pg 21<br>(ø 29 mm)    | 4                                   | 6 - pole                  | 2 x ø 6,4 mm,<br>spacing 86 x 48 mm | orange | 10             |
| 400411 (PO 125 6P/10) |                              |                           | 10                                  |                           |                                     |        |                |

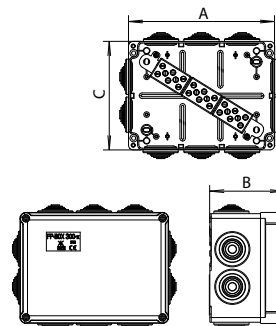
## Junction box with proven functionality in fire 155 x 115 mm

- Ceramic terminal blocks mounted on a metal carrier.
- The mounting of the box is done from inside through 2 holes in the carrier. Under the carrier are 2 metal spacer rollers, whose one end rests on the carrier bottom and the other end touches the wall or ceiling.
- Zinc plated screws with combi head.
- Mechanical resistance IK08.

Complies with standards: STN 92 0205, class PS 90  
ČSN 73 0895, class P 90-R  
DIN 4102-12, class E 90  
IP55  
Degree of protection: PA - self-extinguishing  
Halogen-free material:  
Nominal insulation voltage: 400 V~  
Glow wire test: 850 °C  
Installation on the surface of class (SK): material A1  
Operating temperature: -25 °C to +60 °C



400420



| Ord. No. (Type)       | Dimensions<br>A x B x C (mm) | Elastic cut-off<br>glands | Cross section<br>(mm <sup>2</sup> ) | Ceramic terminal<br>block | Mounting holes                       | Colour | Pkg.<br>(pcs.) |
|-----------------------|------------------------------|---------------------------|-------------------------------------|---------------------------|--------------------------------------|--------|----------------|
| 400420 (PO 155 9P/4)  | 154,6 x 78,5 x 114,6         | 10 x Pg 21<br>(ø 29 mm)   | 4                                   | 9 - pole                  | 2 x ø 6,4 mm,<br>spacing 116 x 72 mm | orange | 5              |
| 400422 (PO 155 3P/10) |                              |                           |                                     | 3 - pole                  |                                      |        |                |
| 400423 (PO 155 6P/10) |                              |                           | 10                                  | 6 - pole                  |                                      |        |                |
| 400421 (PO 155 9P/10) |                              |                           |                                     | 9 - pole                  |                                      |        |                |

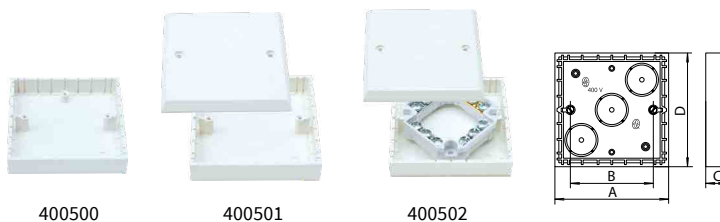
Note: Number of conductors that can be connected to the ceramic terminal blocks  
Cross section 4 mm<sup>2</sup>: 10x 0,5mm<sup>2</sup>; 9x 0,75 mm<sup>2</sup>; 8x 1mm<sup>2</sup>; 4x 1,5 mm<sup>2</sup>; 3x 2,5 mm<sup>2</sup>; 1x 4 mm<sup>2</sup>; 1x 6mm<sup>2</sup>  
Cross section 10 mm<sup>2</sup>: 10x 1mm<sup>2</sup>; 6x 1,5 mm<sup>2</sup>; 4x 2,5 mm<sup>2</sup>; 2x 4mm<sup>2</sup>; 1x 6 mm<sup>2</sup>; 1x10mm<sup>2</sup>



### Junction surface trunking boxes 82 x 82 x 15,5 mm

- Installation holes 3 x ø16.
- For use with mounting rails.

|                                            |                                                              |
|--------------------------------------------|--------------------------------------------------------------|
| Complies with standards:                   | STN EN 60670-1<br>STN EN 60670-22                            |
| Degree of protection:                      | IP40 - with lid                                              |
| Material:                                  | PVC - self-extinguishing                                     |
| Nominal insulation voltage:                | 400 V~                                                       |
| Glow wire test:                            | 850 °C                                                       |
| Installation on the surface of class (SK): | Imax ≤ 16 A - materials A1 to E<br>Imax > 16 A - material A1 |
| Operating temperature:                     | -25 °C to +60 °C                                             |



| Ord. No. (Type)  | Dimensions<br>A x D x C (mm) | Accessories                            | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |    |      |    |   |
|------------------|------------------------------|----------------------------------------|--------|----------------|-----------------|----|------|----|---|
|                  |                              |                                        |        |                | A               | B  | C    | D  | E |
| 400500 (6480-10) | 82 x 82 x 15,5               | -                                      | white  | 100            | 82              | 60 | 15,5 | 82 | - |
| 400501 (6481-10) | 82 x 82 x 24                 | box lid + screws                       |        |                |                 |    | 24   |    |   |
| 400502 (6481-14) | 82 x 82 x 24                 | box lid + screws<br>terminal ring 4P/3 |        |                |                 |    | 24   |    |   |

### Junction surface trunking boxes 82 x 164 x 15,5 mm

- Installation holes 3 x ø16.
- For use with mounting rails.

|                                            |                                                              |
|--------------------------------------------|--------------------------------------------------------------|
| Complies with standards:                   | STN EN 60670-1<br>STN EN 60670-22                            |
| Degree of protection:                      | IP40 with lid while both parts are covered.                  |
| Material:                                  | PVC - self-extinguishing                                     |
| Nominal insulation voltage:                | 400 V~                                                       |
| Glow wire test:                            | 850 °C                                                       |
| Installation on the surface of class (SK): | Imax ≤ 16 A - materials A1 to E<br>Imax > 16 A - material A1 |
| Operating temperature:                     | -25 °C to +60 °C                                             |



| Ord. No. (Type)  | Dimensions<br>A x D x C (mm) | Accessories                            | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |    |      |    |      |
|------------------|------------------------------|----------------------------------------|--------|----------------|-----------------|----|------|----|------|
|                  |                              |                                        |        |                | A               | B  | C    | D  | E    |
| 400510 (6482-10) | 164 x 82 x 15,5              | -                                      | white  | 100            | 164             | 60 | 15,5 | 82 | -    |
| 400511 (6482-11) | 164 x 82 x 27,5              | box lid + screws                       |        |                |                 |    | 24   |    |      |
| 400512 (6482-14) | 164 x 82 x 27,5              | box lid + screws<br>terminal ring 4P/3 |        | 50             |                 |    | 24   |    | 27,5 |

### Lid for surface trunking boxes 82 x 82 mm

- For use in surface trunking boxes.

|                          |                          |
|--------------------------|--------------------------|
| Complies with standards: | STN EN 60670-1           |
| Material:                | PVC - self-extinguishing |
| Glow wire test:          | 850 °C                   |
| Operating temperature:   | -25 °C to +60 °C         |



| Ord. No. (Type)  | Dimensions<br>A x D x C (mm) | Accessories | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |    |    |    |
|------------------|------------------------------|-------------|--------|----------------|-----------------|----|----|----|
|                  |                              |             |        |                | A               | B  | C  | D  |
| 400520 (6483-11) | 82 x 82 x 12                 | -           | white  | 50             | 82              | 60 | 12 | 82 |

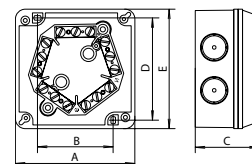
### Boxes with pre-injected cut-off holes and Pg glands - 660 V, IP65

- Used to connect installation cables in boxes.
- Ord. No. 400603, 400604, 400605, 400606 do not contain terminal rings.

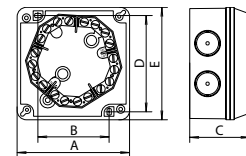
|                                            |                                                              |
|--------------------------------------------|--------------------------------------------------------------|
| Complies with standards:                   | STN EN 60670-1, STN EN 60670-22                              |
| Degree of protection:                      | IP65                                                         |
| Halogen-free material:                     | PA, PVC - self-extinguishing                                 |
| Nominal insulation voltage:                | 660 V~                                                       |
| Glow wire test:                            | 960 °C - PA                                                  |
| Glow wire test:                            | 850 °C - PVC                                                 |
| Installation on the surface of class (SK): | Imax ≤ 20 A - materials A1 to F<br>Imax > 20 A - material A1 |
| Operating temperature:                     | -25 °C to +60 °C                                             |



400600



400600 - 400605



400606 - 400609

| Ord. No. (Type)   | Rigid conductor cross section (mm²) | Pre-injected cut-off holes (mm) | Pg glands              | Terminal ring in the package | Colour | Pkg. (pcs.) | Dimensions (mm) |    |      |    |     |
|-------------------|-------------------------------------|---------------------------------|------------------------|------------------------------|--------|-------------|-----------------|----|------|----|-----|
|                   |                                     |                                 |                        |                              |        |             | A               | B  | C    | D  | E   |
| 400600 (6457-10)  | 4                                   | 2 x Pg 16 + 4 x Pg 13,5         | -                      | 5P/3                         | grey   | 10          | 89              | 56 | 52,5 | 76 | 89  |
| 400601 (6457-11)  |                                     |                                 | 4 x Pg 13,5            |                              |        |             |                 |    |      |    |     |
| 400602 (6457-13)  |                                     |                                 | 2 x Pg 13,5; 2 x Pg 16 |                              |        |             |                 |    |      |    |     |
| 400603 (6457-15)  | -                                   | 2 x Pg16 + 4 x Pg 13,5          | 4 x Pg 13,5; 2 x Pg 16 | -                            | grey   | 10          | 89              | 56 | 52,5 | 76 | 89  |
| 400604 (6457-19)  |                                     |                                 | -                      |                              |        |             |                 |    |      |    |     |
| 400605 (6457-19L) |                                     |                                 | -                      |                              |        |             |                 |    |      |    |     |
| 400606 (6457-20)  | -                                   | 6 x Pg 21/Pg 16                 | -                      | -                            | grey   | 5           | 111             | 72 | 66   | 96 | 111 |
| 400607 (6457-21)  | 6 x Pg 16                           |                                 |                        |                              |        |             |                 |    |      |    |     |
| 400608 (6457-22)  | 4 x Pg 16; 2 x Pg 21                |                                 |                        |                              |        |             |                 |    |      |    |     |
| 400609 (6457-23)  | 4 x Pg 16                           |                                 |                        |                              |        |             |                 |    |      |    |     |

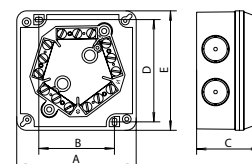
### Boxes with pre-injected holes and Pg elastic cut-off glands - 660 V, IP54

- Used to connect installation cables in boxes.
- Ord. No. 400603, 400604, 400605, 400606 do not contain terminal rings.

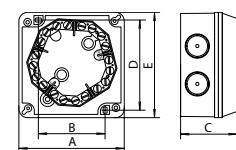
|                                            |                                                              |
|--------------------------------------------|--------------------------------------------------------------|
| Complies with standards:                   | STN EN 60670-1, STN EN 60670-22                              |
| Degree of protection:                      | IP54                                                         |
| Halogen-free material:                     | PA, PVC - self-extinguishing                                 |
| Nominal insulation voltage:                | 660 V~                                                       |
| Glow wire test:                            | 960 °C - PA                                                  |
| Glow wire test:                            | 850 °C - PVC                                                 |
| Installation on the surface of class (SK): | Imax ≤ 39 A - materials A1 to F<br>Imax > 39 A - material A1 |
| Operating temperature:                     | -25 °C to +60 °C                                             |



400620



400620, 400621



400622, 400623

| Ord. No. (Type)   | Rigid conductor cross section (mm²) | Pre-injected cut-off holes (mm) | Elastic cut-off glands Pg | Terminal ring in the package | Colour | Pkg. (pcs.) | Dimensions (mm) |    |      |    |     |
|-------------------|-------------------------------------|---------------------------------|---------------------------|------------------------------|--------|-------------|-----------------|----|------|----|-----|
|                   |                                     |                                 |                           |                              |        |             | A               | B  | C    | D  | E   |
| 400620 (6457-14)  | -                                   | -                               | 6 x Pg 16                 | -                            | grey   | 10          | 89              | 56 | 52,5 | 76 | 89  |
| 400621 (6457-14S) | 4                                   | -                               |                           | 5P/3                         |        |             |                 |    |      |    |     |
| 400622 (6457-24)  | -                                   | -                               | 6 x Pg 21                 | -                            |        | 5           | 111             | 72 | 66   | 96 | 111 |
| 400623 (6457-24S) | 6                                   | -                               |                           | 5P/4                         |        |             |                 |    |      |    |     |

### Junction boxes Lava Line

- For flush mounting.
- Breakout holes on the sides and bottom of the box.

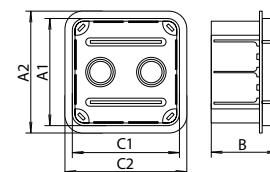
Degree of protection: IP40  
Material: PS  
Glow wire test: 650 °C  
Nominal insulation voltage: 500 V~  
Installation on the surface of class (SK): material A1  
Operating temperature: -25 °C to +60 °C



400700



400703



| Ord. No. (Type) | Dimensions A2 x C2 (mm) | Outdoor dimensions A1 x C1 x B (mm) | Openings from the bottom of box (mm) | Openings from the side of box (mm) | Colour                          | Pkg. (pcs.) |
|-----------------|-------------------------|-------------------------------------|--------------------------------------|------------------------------------|---------------------------------|-------------|
| 400700 (Pp/t-1) | 91 x 91                 | 80 x 80 x 52                        | 2 x Ø 16/22                          | 8 x (22 x 32)                      | black - bottom<br>white - cover | 20          |
| 400701 (Pp/t-3) | 111 x 111               | 100 x 100 x 62                      | 2 x Ø 16/22                          | 8 x (32 x 32)                      |                                 |             |
| 400702 (Pp/t-2) | 91 x 131                | 80 x 120 x 52                       | 2 x Ø 16/22                          | 4 x (23 x 32); 6 x (28 x 32)       |                                 |             |
| 400703 (Pp/t-4) | 111 x 141               | 100 x 126 x 62                      | 2 x Ø 16/22                          | 10 x (32 x 32)                     |                                 |             |
| 400704 (Pp/t-5) | 141 x 141               | 130 x 130 x 70                      | 2 x Ø 16/23/30                       | 12 x (30 x 40)                     |                                 |             |
| 400705 (Pp/t-7) | 171 x 171               | 160 x 160 x 70                      | 2 x Ø 16/23/32/39                    | 16 x (30 x 40)                     |                                 |             |
| 400706 (Pp/t-6) | 141 x 171               | 130 x 160 x 70                      | 2 x Ø 16/23/30                       | 14 x (30 x 40)                     |                                 |             |
| 400707 (Pp/t-8) | 171 x 211               | 160 x 200 x 70                      | 2 x Ø 16/23/32/39                    | 8 x (30 x 40); 8 x (40 x 40)       |                                 |             |
| 400708 (Pp/t-9) | 211 x 211               | 200 x 200 x 70                      | 4 x Ø 16/23/32/39                    | 16 x (30 x 40)                     |                                 |             |

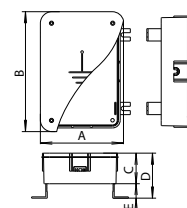
### Lightning protection box

- For connecting the lightning protective conductor and the ground belt.
- Height adjustable for insulation up to 120 mm including the thickness of the plaster.
- Installation even without disassembly of the lightning protective conductor and the ground terminal connection.

Material: PS  
Glow wire test: 650 °C  
Operating temperature: -25 °C to +60 °C



400720



| Ord. No. (Type) | Dimensions A x B (mm) | Colour | Pkg. (pcs.) | Dimensions (mm) |     |    |          |        |
|-----------------|-----------------------|--------|-------------|-----------------|-----|----|----------|--------|
|                 |                       |        |             | A               | B   | C  | D        | E      |
| 400720 (PZO)    | 168 x 218             | orange | 1           | 168             | 218 | 80 | 80 - 120 | 4 - 40 |

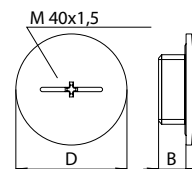
### Metric sealing plugs

- IP 67 with sealing washer for metric glands.

|                        |                                                      |
|------------------------|------------------------------------------------------|
| Degree of protection:  | IP54 - without washer<br>IP 67 - with sealing washer |
| Material:              | ABS                                                  |
| Operating temperature: | -20 °C to +80 °C                                     |



400980



| Ord. No. (Type)  | Thread     | Colour | Pkg. (pcs.) | Dimensions (mm) |      |
|------------------|------------|--------|-------------|-----------------|------|
|                  |            |        |             | D               | B    |
| 400980 (TZ-M 20) | M 20 x 1,5 | grey   | 50          | 26,5            | 10,0 |
| 400981 (TZ-M 25) | M 25 x 1,5 |        |             | 33              | 10,0 |
| 400982 (TZ-M 32) | M 32 x 1,5 |        |             | 40              | 12,0 |
| 400983 (TZ-M 40) | M 40 x 1,5 |        |             | 51              | 12,0 |

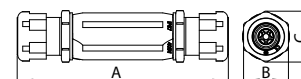
### Cable connectors 5-pole

- For connecting of multicore cables in a fixed electrical installations.
- Not intended for ground installation.

|                             |                                     |
|-----------------------------|-------------------------------------|
| Complies with standards:    | STN EN 60947-7-1                    |
| Degree of protection:       | IP67                                |
| Material:                   | ABS - cover PA - terminal block     |
| Nominal insulation voltage: | 400 V~                              |
| Glow wire test:             | cover 650 °C, terminal block 850 °C |
| Operating temperature:      | -25 °C to +40 °C                    |



401000



| Ord. No. (Type) | Cross section (mm²) | Stripped wire (mm) | Sealing range of gland (mm) | Max. current (A) | Pkg. (pcs.) | Dimensions (mm) |    |    |
|-----------------|---------------------|--------------------|-----------------------------|------------------|-------------|-----------------|----|----|
|                 |                     |                    |                             |                  |             | A               | B  | C  |
| 401000 (SP 2,5) | 5 x (1 - 2,5)       | 5                  | 10 - 14                     | 20               | 10          | 126             | 27 | 30 |
| 401001 (SP 6)   | 5 x (2,5 - 6)       | 7                  | 13 - 18                     | 30               |             | 145             | 33 | 36 |

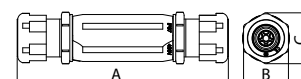
### Cable connector 1-pole

- Not intended for ground installation.

|                             |                  |
|-----------------------------|------------------|
| Complies with standards:    | STN EN 60947-7-1 |
| Degree of protection:       | IP67             |
| Material:                   | ABS              |
| Nominal insulation voltage: | 400 V~           |
| Glow wire test:             | 650 °C           |
| Operating temperature:      | -25 °C to +40 °C |



401010



| Ord. No. (Type) | Cross section (mm²) | Sealing range of gland (mm) | Max. current (A) | Pkg. (pcs.) | Dimensions (mm) |    |    |
|-----------------|---------------------|-----------------------------|------------------|-------------|-----------------|----|----|
|                 |                     |                             |                  |             | A               | B  | C  |
| 401010 (SP 35)  | 1 x (16 - 35)       | 6,4 - 12                    | 125              | 5           | 126             | 27 | 30 |

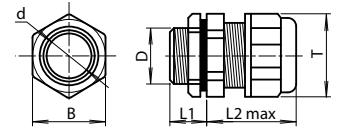


### Pg lamellar glands ECO with nut and sealing washer

- They provide the dedicated sealing of the cable as well as its mechanical fastening.
- Supplied with nut.
- Lamellar design ensures anti-vibration functionality.



400840



|                          |                         |
|--------------------------|-------------------------|
| Complies with standards: | STN EN 62444            |
| Degree of protection:    | IP68                    |
| Halogen-free material:   | PP - self-extinguishing |
| Glow wire test:          | 850 °C                  |
| Operating temperature:   | -30 °C to +80 °C        |

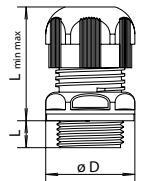
| Ord. No. (Type) | Thread  | Sealing range<br>ø (mm) | Assembly<br>spanner of gland | Assembly<br>spanner of nut | Tightening<br>torque<br>Mk/Nm | Resistance<br>to Impact<br>(J) | Colour | Pkg.<br>(pcs.) | Dimensions (mm) |       |      |      |      |      |
|-----------------|---------|-------------------------|------------------------------|----------------------------|-------------------------------|--------------------------------|--------|----------------|-----------------|-------|------|------|------|------|
|                 |         |                         |                              |                            |                               |                                |        |                | L1              | L2max | D    | T    | B    | d    |
| 400840 (Pg 7)   | Pg 7    | 3,5 - 6,5               | 16                           | 18                         | 2,5                           | 1                              | grey   | 25             | 8,1             | 23,5  | 12,2 | 16,8 | 17,3 | 7,0  |
| 400841 (Pg 9)   | Pg 9    | 4,5 - 7                 | 19                           | 22                         | 3,8                           | 2                              |        |                | 8,1             | 26    | 15,2 | 20,3 | 20,7 | 8,5  |
| 400842 (Pg 11)  | Pg 11   | 5,5 - 10                | 22                           | 24                         | 3,8                           | 2                              |        |                | 8,1             | 28    | 18,6 | 23,7 | 23,3 | 10,5 |
| 400843 (Pg 13)  | Pg 13,5 | 9 - 13                  | 24                           | 27                         | 3,8                           | 2                              |        |                | 9,1             | 29,5  | 20,4 | 25,7 | 26,2 | 12,5 |
| 400844 (Pg 16)  | Pg 16   | 10 - 14                 | 27                           | 30                         | 5,0                           | 2                              |        | 20             | 10,0            | 29,5  | 22,5 | 28,5 | 28,8 | 14,5 |
| 400845 (Pg 21)  | Pg 21   | 14 - 17,5               | 32                           | 36                         | 7,5                           | 4                              |        | 10             | 10,0            | 34    | 28,3 | 34,6 | 35,7 | 18,5 |
| 400846 (Pg 29)  | Pg 29   | 18 - 25                 | 41                           | 45                         | 7,5                           | 4                              |        | 5              | 15,1            | 38,2  | 37,4 | 45,6 | 45,1 | 25,5 |
| 400847 (Pg 36)  | Pg 36   | 25 - 32                 | 50                           | 57                         | 7,5                           | 7                              |        | 2              | 15,1            | 46,5  | 47,0 | 58,2 | 56,7 | 32,5 |
| 400848 (Pg 42)  | Pg 42   | 30 - 37,5               | 60                           | 65                         | 7,5                           | 7                              |        |                | 15,1            | 50,5  | 53,8 | 68,0 | 64,6 | 38,5 |
| 400849 (Pg 48)  | Pg 48   | 37 - 44                 | 62                           | 70                         | 7,5                           | 7                              |        |                | 15,1            | 50,5  | 59,3 | 72,0 | 69,9 | 44,5 |

### Metric lamellar cable glands

- IP68 - tested on permanent immersion into depth of 1 m.
- They allow the cable to be sealing as well as its mechanical fastening.
- Colour grey.
- The seal is made of halogen-free plastic.
- Lamellar design ensures anti-vibration functionality.



400900



|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Complies with standards: | STN EN 62444                                     |
| Degree of protection:    | IP66 without washer,<br>IP68 with sealing washer |
| Halogen-free material:   | PA - self-extinguishing                          |
| Glow wire test:          | 850 °C                                           |
| Operating temperature:   | -20 °C to +80 °C                                 |

| Ord. No. (Type)  | Thread     | Ensuring of<br>cable and sealing<br>range (mm) | Fixing clasp<br>Type A, range<br>(mm) | Assembly<br>spanner of<br>gland | Tightening<br>torque<br>Mk/Nm | Resistance<br>to Impact<br>(J) | Colour | Pkg. (pcs.) | Dimensions (mm) |      |      |      |                     |
|------------------|------------|------------------------------------------------|---------------------------------------|---------------------------------|-------------------------------|--------------------------------|--------|-------------|-----------------|------|------|------|---------------------|
|                  |            |                                                |                                       |                                 |                               |                                |        |             | L               | Lmin | Lmax | øD   | Assembly<br>opening |
| 400900 (TV-M 12) | M 12 x 1,5 | 3 - 7                                          | -                                     | 16                              | 2,5                           | 1                              | grey   | 25          | 8,0             | 17   | 21   | 16,5 | 12,5                |
| 400901 (TV-M 16) | M 16 x 1,5 | 4 - 9                                          | 9                                     | 20                              | 3,8                           | 2                              |        |             | 8,0             | 21   | 25   | 21,0 | 16,5                |
| 400902 (TV-M 20) | M 20 x 1,5 | 7 - 12                                         | 11 - 12                               | 24                              | 5,0                           | 2                              |        |             | 10,0            | 25   | 30   | 26,5 | 20,5                |
| 400903 (TV-M 25) | M 25 x 1,5 | 8 - 16                                         | 9 - 16                                | 30                              | 7,5                           | 2                              |        |             | 10,0            | 30   | 37,5 | 33,0 | 25,5                |
| 400904 (TV-M 32) | M 32 x 1,5 | 11 - 20                                        | 12 - 20                               | 36                              | 10,0                          | 4                              |        | 10          | 12,0            | 35   | 45   | 40,0 | 32,5                |
| 400905 (TV-M 40) | M 40 x 1,5 | 14 - 26                                        | 16 - 26                               | 46                              | 10,0                          | 4                              |        | 5           | 12,0            | 40   | 50   | 51,0 | 40,5                |
| 400906 (TV-M 50) | M 50 x 1,5 | 23 - 36                                        | 30 - 36                               | 55                              | 10,0                          | 7                              |        | 2           | 14,0            | 50   | 60   | 61,0 | 50,5                |
| 400907 (TV-M 63) | M 63 x 1,5 | 28 - 45                                        | 32 - 45                               | 70                              | 10,0                          | 7                              |        |             | 14,0            | 55   | 65   | 78,0 | 63,5                |

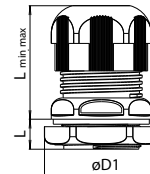
### Metric lamellar cable glands with nut

- IP68 - tested on permanent immersion into depth of 1 m.
- They allow the cable to be sealing as well as its mechanical fastening.
- Colour grey.
- The seal is made of halogen-free plastic.
- Lamellar design ensures anti-vibration functionality.

Complies with standards: STN EN 62444  
Degree of protection: IP66 without washer, IP68 with sealing washer  
Halogen-free material: PA - self-extinguishing  
Glow wire test: 850 °C  
Operating temperature: -20 °C to +80 °C



400920



| Ord. No. (Type)   | Thread     | Ensuring of cable and sealing range (mm) | Fixing clasp Type A, range (mm) | Assembly spanner of gland | Assembly spanner of nut | Tightening torque (Mk/Nm) | Resistance to Impact (J) | Colour | Pkg. (pcs.) | Dimensions (mm) |      |      |      |                  |
|-------------------|------------|------------------------------------------|---------------------------------|---------------------------|-------------------------|---------------------------|--------------------------|--------|-------------|-----------------|------|------|------|------------------|
|                   |            |                                          |                                 |                           |                         |                           |                          |        |             | L               | Lmin | Lmax | ØD1  | Assembly opening |
| 400920 (TVM-M 12) | M 12 x 1,5 | 3 - 7                                    | -                               | 16                        | 16                      | 2,5                       | 1                        | grey   | 25          | 8,0             | 17   | 21   | 17,6 | 12,5             |
| 400921 (TVM-M 16) | M 16 x 1,5 | 4 - 9                                    | 9                               | 20                        | 22                      | 3,8                       | 2                        |        |             | 8,0             | 21   | 25   | 24,5 | 16,5             |
| 400922 (TVM-M 20) | M 20 x 1,5 | 7 - 12                                   | 11 - 12                         | 24                        | 27                      | 5,0                       | 2                        |        |             | 10,0            | 25   | 30   | 30   | 20,5             |
| 400923 (TVM-M 25) | M 25 x 1,5 | 8 - 16                                   | 9 - 16                          | 30                        | 34                      | 7,5                       | 2                        |        | 20          | 10,0            | 30   | 37,5 | 37,5 | 25,5             |
| 400924 (TVM-M 32) | M 32 x 1,5 | 11 - 20                                  | 12 - 20                         | 36                        | 41                      | 10,0                      | 4                        |        | 10          | 12,0            | 35   | 45   | 45,5 | 32,5             |
| 400925 (TVM-M 40) | M 40 x 1,5 | 14 - 26                                  | 16 - 26                         | 46                        | 50                      | 10,0                      | 4                        |        | 5           | 12,0            | 40   | 50   | 55,5 | 40,5             |
| 400926 (TVM-M 50) | M 50 x 1,5 | 23 - 36                                  | 30 - 36                         | 55                        | 60                      | 10,0                      | 7                        |        | 2           | 14,0            | 50   | 60   | 66,5 | 50,5             |
| 400927 (TVM-M 63) | M 63 x 1,5 | 28 - 45                                  | 32 - 45                         | 70                        | 75                      | 10,0                      | 7                        |        |             | 14,0            | 55   | 65   | 83,5 | 63,5             |

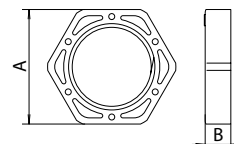
### Metric nuts

- Flange design allows secure mounting.

Halogen-free material: PA- self-extinguishing  
Glow wire test: 850 °C  
Operating temperature: -20 °C to +80 °C



400940



| Ord. No. (Type)     | Thread     | Tightening torque (Mk/Nm) | Colour | Pkg. (pcs.) | Dimensions (mm) |     |
|---------------------|------------|---------------------------|--------|-------------|-----------------|-----|
|                     |            |                           |        |             | A               | B   |
| 400940 (UM-M 12/02) | M 12 x 1,5 | 2,5                       | grey   | 25          | 16              | 4,5 |
| 400941 (UM-M 16/02) | M 16 x 1,5 | 3,8                       |        |             | 22              | 4,5 |
| 400942 (UM-M 20/02) | M 20 x 1,5 | 5,0                       |        |             | 27              | 6,0 |
| 400943 (UM-M 25/02) | M 25 x 1,5 | 7,5                       |        | 20          | 34              | 6,0 |
| 400944 (UM-M 32/02) | M 32 x 1,5 | 10,0                      |        | 10          | 41              | 7,0 |
| 400945 (UM-M 40/02) | M 40 x 1,5 | 10,0                      |        | 5           | 50              | 7,0 |
| 400946 (UM-M 50/02) | M 50 x 1,5 | 10,0                      |        | 2           | 60              | 8,0 |
| 400947 (UM-M 63/02) | M 63 x 1,5 | 10,0                      |        |             | 75              | 8,0 |

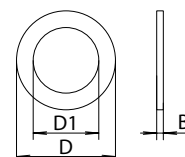
### Sealing washers for Metric glands

- To increase the IP of metric glands.

Material: Rubber  
Operating temperature: -20 °C to +80 °C



400960



| Ord. No. (Type)  | For gland | Colour | Pkg. (pcs.) | Dimensions (mm) |      |     |
|------------------|-----------|--------|-------------|-----------------|------|-----|
|                  |           |        |             | D               | D1   | B   |
| 400960 (TP-M 12) | M 12      | black  | 25          | 16              | 12,0 | 1,0 |
| 400961 (TP-M 16) | M 16      |        |             | 20,5            | 16,0 | 1,0 |
| 400962 (TP-M 20) | M 20      |        |             | 25              | 20,0 | 1,5 |
| 400963 (TP-M 25) | M 25      |        | 20          | 31              | 25,0 | 1,5 |
| 400964 (TP-M 32) | M 32      |        | 10          | 38              | 32,0 | 2,0 |
| 400965 (TP-M 40) | M 40      |        | 5           | 48              | 40,0 | 2,0 |
| 400966 (TP-M 50) | M 50      |        | 2           | 59,4            | 50,4 | 2,0 |
| 400967 (TP-M 63) | M 63      |        |             | 76              | 63,0 | 2,0 |

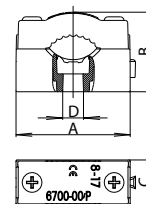
### Polyamide cable clips

- Side by side linkable.
- Max. power side/axial 45N/45N.
- Resistance to impact - 2 J - medium.

Complies with standards: STN EN 61914  
Material: PA- self-extinguishing  
Glow wire test: 850 °C  
Operating temperature: -25 °C to +85 °C



401050



| Ord. No. (Type)    | Cable diameter (mm) | Dimensions A x B x C (mm) | Oval hole D (mm) | Pkg. (pcs.) |
|--------------------|---------------------|---------------------------|------------------|-------------|
| 401050 (6700-00/P) | 8 - 17              | 32 x 22 x 12,5            | 4 x 5,5*         | 200         |
| 401051 (6701-00/P) | 17 - 25             | 44 x 32 x 15              | 4 x 5,5*         | 100         |

\* Oval opening for the screw Ø 4 mm.

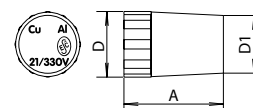
### 1-pole 3x (1-4) mm<sup>2</sup> insulated terminals for boxes

- For connecting of several stripped conductors.
- Oval opening for the screw Ø 4 mm.

Complies with standards: STN EN 60947-7-1  
Degree of protection: IP10  
Material: PA- self-extinguishing  
Glow wire test: 850 °C  
Nominal insulation voltage: 400 V~,  
Operating temperature: -25 °C to +60 °C



401060



| Ord. No. (Type)  | Rigid conductor cross section (mm²) | Dimensions A x D x D1 (mm) | Stripped wire (mm) | Pkg. (pcs.) |
|------------------|-------------------------------------|----------------------------|--------------------|-------------|
| 401060 (6100-04) | 3 x (1 - 2,5)                       | 20,5 x 14 x 13             | 14                 | 25          |
| 401061 (6100-15) | 3 x (1 - 4)                         | 25 x 18 x 14,5             | 16                 |             |

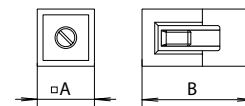
### 1-pole 3x (6-16) mm<sup>2</sup> insulated terminals for boxes

- Allows insertion of the main wire without its interruption.

Complies with standards: STN EN 60947-7-1  
Degree of protection: IP10  
Material: PA- self-extinguishing  
Glow wire test: 850 °C  
Nominal insulation voltage: 400 V~,  
Operating temperature: -25 °C to +60 °C



401070



| Ord. No. (Type)  | Rigid conductor cross section (mm²) | Stripped wire (mm) | Pkg. (pcs.) | Dimensions (mm) |    |
|------------------|-------------------------------------|--------------------|-------------|-----------------|----|
|                  |                                     |                    |             | A               | B  |
| 401070 (6100-44) | 3 x (6 - 16)                        | 17                 | 25          | 19              | 35 |

### Cable ties - natural, black - UV

- Natural - resistant to oils, petrol, salt water and solvents.
- Black - UV resistant, suitable for outdoor use.

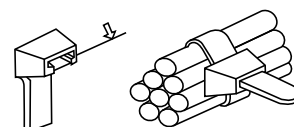
Halogen-free material: PA 6.6 - halogen-free  
Operating temperature: -40 °C to +85 °C



401100



401200



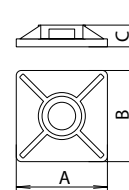
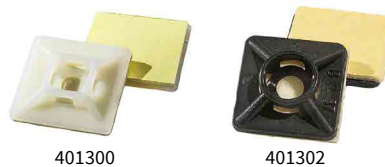
| Ord. No. (Type)      | Dimension (mm) | Colour  | Pkg. (pcs.) |
|----------------------|----------------|---------|-------------|
| 401100 (VPN 2-100)   | 2 x 100        | natural | 100         |
| 401101 (VPN 2-135)   | 2 x 135        |         |             |
| 401102 (VPN 2-160)   | 2 x 160        |         |             |
| 401103 (VPN 2-200)   | 2 x 200        |         |             |
| 401104 (VPN 4-140)   | 4 x 140        |         |             |
| 401105 (VPN 4-200)   | 4 x 200        |         |             |
| 401106 (VPN 4-280)   | 4 x 280        |         |             |
| 401107 (VPN 4-360)   | 4 x 360        |         |             |
| 401108 (VPN 5-200)   | 5 x 200        |         |             |
| 401109 (VPN 5-250)   | 5 x 250        |         |             |
| 401110 (VPN 5-280)   | 5 x 280        |         |             |
| 401111 (VPN 5-360)   | 5 x 360        |         |             |
| 401112 (VPN 5-380)   | 5 x 380        |         |             |
| 401113 (VPN 5-430)   | 5 x 430        |         |             |
| 401114 (VPN 8-200)   | 8 x 200        |         |             |
| 401115 (VPN 8-280)   | 8 x 280        |         |             |
| 401116 (VPN 8-360)   | 8 x 360        |         |             |
| 401117 (VPN 8-450)   | 8 x 450        |         |             |
| 401118 (VPN 8-540)   | 8 x 540        |         |             |
| 401119 (VPN 8-710)   | 8 x 710        |         |             |
| 401121 (VPN 9-780)   | 9 x 780        |         |             |
| 401122 (VPN 13-500)  | 13 x 500       |         |             |
| 401123 (VPN 13-730)  | 13 x 730       |         |             |
| 401125 (VPN 13-1000) | 13 x 1000      |         |             |

| Ord. No. (Type)      | Dimension (mm) | Colour | Pkg. (pcs.) |
|----------------------|----------------|--------|-------------|
| 401200 (VPB 2-100)   | 2 x 100        | black  | 100         |
| 401201 (VPB 2-135)   | 2 x 135        |        |             |
| 401202 (VPB 2-160)   | 2 x 160        |        |             |
| 401203 (VPB 2-200)   | 2 x 200        |        |             |
| 401204 (VPB 4-140)   | 4 x 140        |        |             |
| 401205 (VPB 4-200)   | 4 x 200        |        |             |
| 401206 (VPB 4-280)   | 4 x 280        |        |             |
| 401207 (VPB 4-360)   | 4 x 360        |        |             |
| 401208 (VPB 5-200)   | 5 x 200        |        |             |
| 401209 (VPB 5-250)   | 5 x 250        |        |             |
| 401210 (VPB 5-280)   | 5 x 280        |        |             |
| 401211 (VPB 5-360)   | 5 x 360        |        |             |
| 401212 (VPB 5-380)   | 5 x 380        |        |             |
| 401213 (VPB 5-430)   | 5 x 430        |        |             |
| 401214 (VPB 8-200)   | 8 x 200        |        |             |
| 401215 (VPB 8-280)   | 8 x 280        |        |             |
| 401216 (VPB 8-360)   | 8 x 360        |        |             |
| 401217 (VPB 8-450)   | 8 x 450        |        |             |
| 401218 (VPB 8-540)   | 8 x 540        |        |             |
| 401219 (VPB 8-710)   | 8 x 710        |        |             |
| 401221 (VPB 9-780)   | 9 x 780        |        |             |
| 401222 (VPB 13-500)  | 13 x 500       |        |             |
| 401223 (VPB 13-730)  | 13 x 730       |        |             |
| 401225 (VPB 13-1000) | 13 x 1000      |        |             |

### Self-adhesive cable tie base

- For cable ties fastening.

Halogen-free material: ABS  
Flammability classification: UL94 class HB  
Operating temperature: -10 °C to +60 °C



| Ord. No. (Type)    | Dimension A x B (mm) | Height C (mm) | Colour  | Pkg. (pcs.) |
|--------------------|----------------------|---------------|---------|-------------|
| 401300 (USN 19-19) | 19 x 19              | 5,0           | natural | 100         |
| 401301 (USN 29-29) | 29 x 29              |               |         |             |
| 401302 (USB 19-19) | 19 x 19              | 6,5           | black   | 100         |
| 401303 (USB 29-29) | 29 x 29              |               |         |             |

### Cable tie dowel base

- For cable ties fastening.

Halogen-free material: PA 6.6 - self-extinguishing  
Operating temperature: -10 °C to +65 °C



401310

| Ord. No. (Type)   | Width (mm) | Length (mm) | Max. width cable (mm) | Colour | Pkg. (pcs.) |
|-------------------|------------|-------------|-----------------------|--------|-------------|
| 401310 (UZH 9-43) | 9,7        | 43,5        | 9                     | black  | 100         |

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## TERMINAL COMPONENTS

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## Terminal components

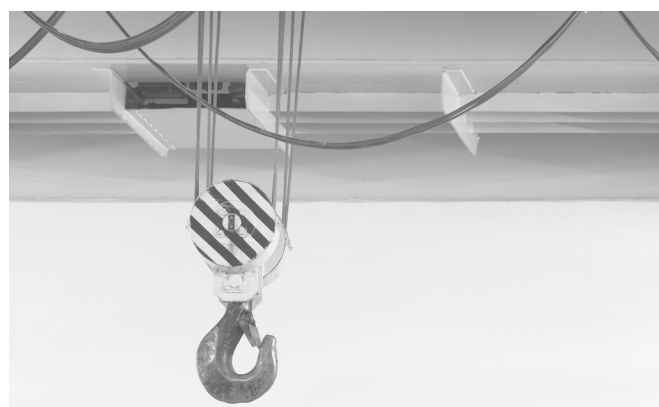
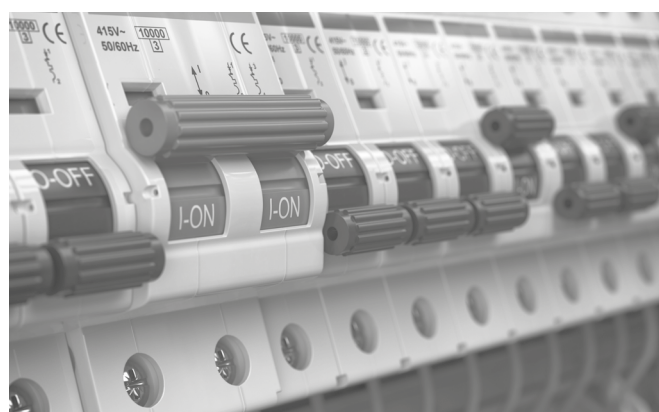
A long term development of this assortment in SEZ DK a.s. guarantees compliance with all the relevant technical standards. Our terminal components are manufactured from high quality brass and copper raw materials and are specially surface treated to provide the lowest transient resistance and maximum protection against corrosion, long-lasting and reliable operation.

We offer following production groups within our portfolio of terminal components for crimping and connecting of copper wires and cables:

- Crimping cable lugs and tubular lugs
- Bolt-on cable lugs, cupal (Cu-Al) washers, insulated pin terminals
- Insulated cable connectors, flat female, male and fork terminals
- Flat female and male terminals (fastons) without insulation
- Bolt-on flat male and double male terminals
- Flat male and female terminals, multipole sockets and plugs

### AREA OF APPLICATION:

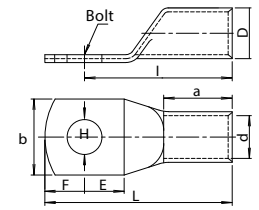
- Instruments / Controls
- Lighting
- Power supplies
- Distribution assemblies and switchgears
- Distribution
- Lifting equipments
- Electric motors
- Machinery and equipment





### Crimping cable lugs – tubular

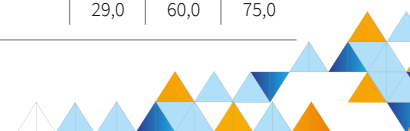
- Application: for flexible Cu conductors.
- They are manufactured from galvanically tinned electrolytically clean copper plate. They are provided with a closed circular profile conductor bed designed to be pressed and permanently attached to both rigid and flexible copper conductors.



Complies with standards: STN EN 61238-1  
Material: Copper  
Surface treatment: Tinning

500000

| Ord. No. (Type)  | Cross section (mm <sup>2</sup> ) | Bolt | Pkg. (pcs.) | Dimensions (mm) |      |      |      |      |      |      |      |      |
|------------------|----------------------------------|------|-------------|-----------------|------|------|------|------|------|------|------|------|
|                  |                                  |      |             | H               | D    | d    | E    | F    | a    | b    | l    | L    |
| 500000 (K1,5/4)  | 1,5                              | M4   | 100         | 4,4             | 3,3  | 1,8  | 5,0  | 4,5  | 6,5  | 6,5  | 13,5 | 18,0 |
| 500001 (K1,5/5)  |                                  | M5   |             | 5,5             |      |      | 5,5  | 5,0  |      | 7,5  | 14,0 | 19,0 |
| 500002 (K1,5/6)  |                                  | M6   |             | 6,5             |      |      | 6,0  | 5,5  |      | 9,0  | 14,5 | 20,0 |
| 500004 (K2,5/4)  | 2,5                              | M4   | 100         | 4,4             | 4,1  | 2,4  | 5,5  | 4,5  | 6,5  | 7,5  | 14,5 | 19,0 |
| 500005 (K2,5/5)  |                                  | M5   |             | 5,5             |      |      | 6,0  | 5,0  |      | 8,5  | 15,0 | 20,0 |
| 500006 (K2,5/6)  |                                  | M6   |             | 6,5             |      |      | 6,5  | 5,5  |      | 9,5  | 15,5 | 21,0 |
| 500007 (K2,5/8)  |                                  | M8   |             | 8,5             |      |      | 7,5  | 6,5  |      | 12,0 | 17,5 | 24,0 |
| 500008 (K4/4)    | 4                                | M4   | 100         | 4,4             | 5,3  | 3,0  | 6,0  | 5,5  | 8,5  | 8,0  | 18,5 | 24,0 |
| 500009 (K4/5)    |                                  | M5   |             | 5,5             |      |      | 6,5  | 6,0  |      | 9,0  | 19,0 | 25,0 |
| 500010 (K4/6)    |                                  | M6   |             | 6,5             |      |      | 7,5  | 7,0  |      | 11,0 | 20,0 | 27,0 |
| 500011 (K4/8)    |                                  | M8   |             | 8,5             |      |      | 8,5  | 8,0  |      | 14,0 | 21,0 | 29,0 |
| 500012 (K6/5)    | 6                                | M5   | 100         | 5,5             | 6,5  | 3,5  | 6,5  | 6,0  | 10,0 | 10,5 | 21,5 | 27,5 |
| 500013 (K6/6)    |                                  | M6   |             | 6,5             |      |      | 7,0  | 6,5  |      | 11,5 | 22,0 | 28,5 |
| 500014 (K6/8)    |                                  | M8   |             | 8,5             |      |      | 8,0  | 7,5  |      | 15,5 | 23,0 | 30,5 |
| 500015 (K6/10)   |                                  | M10  |             | 10,5            |      |      | 10,0 | 9,0  |      | 17,0 | 25,5 | 34,5 |
| 500016 (K10/5)   | 10                               | M5   | 100         | 5,5             | 7,0  | 4,5  | 7,0  | 6,0  | 10,0 | 12,0 | 22,0 | 28,0 |
| 500017 (K10/6)   |                                  | M6   |             | 6,5             |      |      | 7,5  | 6,5  |      | 12,0 | 22,5 | 29,0 |
| 500018 (K10/8)   |                                  | M8   |             | 8,5             |      |      | 8,5  | 7,5  |      | 14,5 | 23,5 | 31,0 |
| 500019 (K10/10)  |                                  | M10  |             | 10,5            |      |      | 10,5 | 9,0  |      | 17,0 | 25,5 | 34,5 |
| 500020 (K16/5)   | 16                               | M5   | 100         | 5,5             | 8,5  | 5,5  | 7,0  | 6,0  | 13,0 | 12,0 | 27,0 | 33,0 |
| 500021 (K16/6)   |                                  | M6   |             | 6,5             |      |      | 7,5  | 6,5  |      | 12,0 | 27,5 | 34,0 |
| 500022 (K16/8)   |                                  | M8   |             | 8,5             |      |      | 9,0  | 8,0  |      | 14,0 | 29,0 | 37,0 |
| 500023 (K16/10)  |                                  | M10  |             | 10,5            |      |      | 11,0 | 10,0 |      | 17,0 | 31,0 | 41,0 |
| 500024 (K16/12)  | 25                               | M12  | 100         | 13,0            | 10,0 | 7,0  | 13,0 | 12,0 | 14,0 | 20,0 | 33,0 | 45,0 |
| 500025 (K25/6)   |                                  | M6   |             | 6,4             |      |      | 7,5  | 6,5  |      | 14,0 | 28,5 | 35,0 |
| 500026 (K25/8)   |                                  | M8   |             | 8,3             |      |      | 9,0  | 8,0  |      | 16,0 | 30,0 | 38,0 |
| 500027 (K25/10)  |                                  | M10  |             | 10,3            |      |      | 11,0 | 10,0 |      | 17,5 | 32,0 | 42,0 |
| 500028 (K25/12)  | 35                               | M12  | 100         | 13,0            | 12,0 | 8,5  | 13,0 | 12,0 | 16,0 | 20,0 | 34,0 | 46,0 |
| 500029 (K35/6)   |                                  | M6   |             | 6,5             |      |      | 9,0  | 8,5  |      | 18,0 | 33,0 | 41,5 |
| 500030 (K35/8)   |                                  | M8   |             | 8,5             |      |      | 10,0 | 9,0  |      | 18,0 | 34,0 | 43,0 |
| 500031 (K35/10)  |                                  | M10  |             | 10,5            |      |      | 11,0 | 10,0 |      | 18,0 | 35,0 | 45,0 |
| 500032 (K35/12)  | 50                               | M12  | 100         | 13,0            | 14,0 | 10,0 | 13,0 | 12,0 | 17,0 | 22,0 | 37,0 | 49,0 |
| 500033 (K50/6)   |                                  | M6   |             | 6,5             |      |      | 9,0  | 8,0  |      | 20,0 | 37,0 | 45,0 |
| 500034 (K50/8)   |                                  | M8   |             | 8,5             |      |      | 10,0 | 9,0  |      | 20,0 | 38,0 | 47,0 |
| 500035 (K50/10)  |                                  | M10  |             | 10,5            |      |      | 12,0 | 10,0 |      | 21,0 | 40,0 | 50,0 |
| 500036 (K50/12)  | 70                               | M12  | 50          | 13,0            | 16,5 | 12,0 | 14,0 | 11,0 | 20,0 | 23,0 | 45,0 | 56,0 |
| 500037 (K50/16)  |                                  | M16  |             | 17,0            |      |      | 16,0 | 14,0 |      | 26,0 | 47,0 | 61,0 |
| 500038 (K70/6)   |                                  | M6   |             | 6,5             |      |      | 10,0 | 9,0  |      | 23,0 | 41,0 | 50,0 |
| 500039 (K70/8)   |                                  | M8   |             | 8,5             |      |      | 11,0 | 10,0 |      | 23,0 | 42,0 | 52,0 |
| 500040 (K70/10)  | 95                               | M10  | 50          | 10,5            | 18,0 | 13,5 | 12,0 | 11,0 | 23,0 | 23,0 | 43,0 | 54,0 |
| 500041 (K70/12)  |                                  | M12  |             | 13,0            |      |      | 14,0 | 12,0 |      | 23,0 | 45,0 | 57,0 |
| 500042 (K70/16)  |                                  | M16  |             | 17,0            |      |      | 17,0 | 14,0 |      | 29,0 | 47,0 | 61,0 |
| 500043 (K95/8)   |                                  | M8   |             | 8,5             |      |      | 11,0 | 10,0 |      | 26,0 | 49,0 | 59,0 |
| 500044 (K95/10)  | 120                              | M10  | 50          | 10,5            | 19,5 | 15,0 | 12,0 | 11,0 | 26,0 | 26,0 | 50,0 | 61,0 |
| 500045 (K95/12)  |                                  | M12  |             | 13,0            |      |      | 14,0 | 12,0 |      | 26,0 | 52,0 | 64,0 |
| 500046 (K95/16)  |                                  | M16  |             | 17,0            |      |      | 17,0 | 14,0 |      | 31,0 | 55,0 | 69,0 |
| 500048 (K120/8)  |                                  | M8   |             | 8,5             |      |      | 12,0 | 11,0 |      | 28,0 | 55,0 | 66,0 |
| 500049 (K120/10) | 120                              | M10  | 50          | 10,5            | 19,5 | 15,0 | 13,0 | 12,0 | 26,0 | 28,0 | 56,0 | 68,0 |
| 500050 (K120/12) |                                  | M12  |             | 13,0            |      |      | 15,0 | 13,0 |      | 28,0 | 58,0 | 71,0 |
| 500051 (K120/16) |                                  | M16  |             | 17,0            |      |      | 17,0 | 15,0 |      | 29,0 | 60,0 | 75,0 |





## TERMINAL COMPONENTS

Cable lugs, crimping pliers, cable connectors

CONNECTING ENERGY

### Crimping cable lugs – tubular

(continuing)

| Ord. No. (Type)  | Cross section (mm²) | Bolt | Pkg. (pcs.) | Dimensions (mm) |      |      |      |      |      |      |      |       |
|------------------|---------------------|------|-------------|-----------------|------|------|------|------|------|------|------|-------|
|                  |                     |      |             | H               | D    | d    | E    | F    | a    | b    | l    | L     |
| 500052 (K150/8)  | 150                 | M8   | 50          | 8,5             | 21,0 | 16,5 | 12,0 | 11,0 | 28,0 | 31,0 | 58,0 | 69,0  |
| 500053 (K150/10) |                     | M10  |             | 10,5            |      |      | 13,0 | 12,0 |      |      | 59,0 | 71,0  |
| 500054 (K150/12) |                     | M12  |             | 13,0            |      |      | 15,0 | 13,0 |      |      | 61,0 | 74,0  |
| 500055 (K150/16) |                     | M16  |             | 17,0            |      |      | 17,0 | 15,0 |      |      | 63,0 | 78,0  |
| 500056 (K185/10) | 185                 | M10  | 50          | 10,5            | 24,0 | 19,0 | 14,0 | 14,0 | 31,0 | 35,0 | 65,0 | 79,0  |
| 500057 (K185/12) |                     | M12  |             | 13,0            |      |      | 16,0 | 15,0 |      |      | 67,0 | 82,0  |
| 500058 (K185/16) |                     | M16  |             | 17,0            |      |      | 18,0 | 16,0 |      |      | 69,0 | 85,0  |
| 500059 (K185/20) |                     | M20  |             | 21,0            |      |      | 20,0 | 17,0 |      |      | 71,0 | 88,0  |
| 500060 (K240/10) | 240                 | M10  | 50          | 10,5            | 26   | 21,0 | 15,0 | 15,0 | 35,0 | 38,0 | 73,0 | 88,0  |
| 500061 (K240/12) |                     | M12  |             | 13,0            |      |      | 17,0 | 16,0 |      |      | 75,0 | 91,0  |
| 500062 (K240/14) |                     | M14  |             | 15,0            |      |      | 18,0 | 17,0 |      |      | 76,0 | 93,0  |
| 500063 (K240/16) |                     | M16  |             | 17,0            |      |      | 20,0 | 18,0 |      |      | 78,0 | 96,0  |
| 500064 (K240/20) | 300                 | M20  | 25          | 21,0            | 30,0 | 24,0 | 22,0 | 20,0 | 47,0 | 46,0 | 80,0 | 100,0 |
| 500066 (K300/12) |                     | M12  |             | 13,0            |      |      | 21,0 | 18,0 |      |      | 94,0 | 112,0 |
| 500067 (K300/16) |                     | M16  |             | 17,0            |      |      | 21,0 | 18,0 |      |      | 94,0 | 112,0 |
| 500068 (K400/12) | 400                 | M12  | 25          | 13,0            | 34   | 27,5 | 21,0 | 18,0 | 51,0 | 48,0 | 98,0 | 116,0 |
| 500069 (K400/16) |                     | M16  |             | 17,0            |      |      | 21,0 | 18,0 |      |      | 98,0 | 116,0 |
| 500070 (K400/20) |                     | M20  |             | 21,0            |      |      | 21,0 | 18,0 |      |      | 98,0 | 116,0 |

### Crimping pliers

- Crimping pliers 500080 with rotating jaws for Cu lightened-lugs 6 - 50 mm<sup>2</sup>.
- Crimping pliers 500081 with rotating jaws for Cu lightened-lugs 10 - 150 mm<sup>2</sup>.



500080



500081

| Ord. No. (Type)    | Cross section (mm <sup>2</sup> ) | Length (mm) | Weight (kg) | Pkg. (pcs.) |
|--------------------|----------------------------------|-------------|-------------|-------------|
| 500080 (LK 6/50)   | 6 – 50                           | 390         | 1,7         | 1           |
| 500081 (LK 10/150) | 10 – 150                         | 620         | 4,2         | 1           |

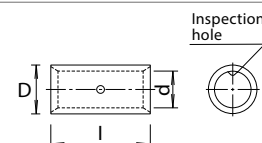
### Cable connectors

- Application: for flexible Cu conductors

Material: Copper  
Surface treatment: Tinning



500090



| Ord. No. (Type)  | Cross section (mm <sup>2</sup> ) | Pkg. (pcs.) | Dimensions (mm) |      |     |
|------------------|----------------------------------|-------------|-----------------|------|-----|
|                  |                                  |             | D               | d    | l   |
| 500090 (LKS-1,5) | 1,5                              | 100         | 3,3             | 1,8  | 25  |
| 500091 (LKS-2,5) | 2,5                              |             | 4,2             | 2,3  | 25  |
| 500092 (LKS-4)   | 4                                |             | 5,0             | 3,0  | 25  |
| 500093 (LKS-6)   | 6                                |             | 6,5             | 3,5  | 25  |
| 500094 (LKS-10)  | 10                               | 100         | 7,0             | 4,5  | 30  |
| 500095 (LKS-16)  | 16                               |             | 8,5             | 5,5  | 35  |
| 500096 (LKS-25)  | 25                               |             | 10,0            | 7,0  | 40  |
| 500097 (LKS-35)  | 35                               |             | 12,0            | 8,5  | 45  |
| 500098 (LKS-50)  | 50                               | 50          | 14,0            | 10,0 | 50  |
| 500099 (LKS-70)  | 70                               |             | 16,5            | 12,0 | 55  |
| 500100 (LKS-95)  | 95                               |             | 18,0            | 13,5 | 60  |
| 500101 (LKS-120) | 120                              |             | 19,5            | 15,0 | 65  |
| 500102 (LKS-150) | 150                              | 25          | 21,0            | 16,5 | 70  |
| 500103 (LKS-185) | 185                              |             | 24,0            | 19,0 | 80  |
| 500104 (LKS-240) | 240                              |             | 26,0            | 21,0 | 90  |
| 500105 (LKS-300) | 300                              |             | 30,0            | 24,0 | 100 |
| 500106 (LKS-400) | 400                              |             | 34,0            | 27,5 | 110 |

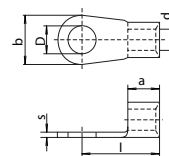
## Crimping cable lugs

- Application: for flexible Cu conductors.

Complies with standards: STN EN 61238-1,  
DIN 46234  
Material: Copper  
Surface treatment: Tinning



500650



| Ord. No. (Type)          | Cross section (mm²) | Bolt | Pkg. (pcs.) | Dimensions (mm) |      |    |    |    |     |
|--------------------------|---------------------|------|-------------|-----------------|------|----|----|----|-----|
|                          |                     |      |             | d               | D    | b  | a  | l  | s   |
| 500650 (7610-01/03/100)  | 0,5 - 1,5           | M3   | 100         | 1,6             | 3,2  | 6  | 5  | 11 | 0,8 |
| 500651 (7610-01/3,5/100) |                     | M3,5 |             |                 | 3,7  | 6  |    | 12 |     |
| 500652 (7610-01/04/100)  |                     | M4   |             |                 | 4,3  | 8  |    | 13 |     |
| 500653 (7610-01/05/100)  |                     | M5   |             |                 | 5,3  | 10 |    | 14 |     |
| 500654 (7610-03/03/100)  | 1,5 - 2,5           | M3   | 100         | 2,3             | 3,2  | 6  | 5  | 11 | 0,8 |
| 500655 (7610-03/3,5/100) |                     | M3,5 |             |                 | 3,7  | 6  |    | 12 |     |
| 500656 (7610-03/04/100)  |                     | M4   |             |                 | 4,3  | 8  |    | 14 |     |
| 500657 (7610-03/05/100)  |                     | M5   |             |                 | 5,3  | 10 |    | 16 |     |
| 500658 (7610-03/06/100)  |                     | M6   |             |                 | 6,5  | 11 |    | 17 |     |
| 500659 (7610-03/08/100)  |                     | M8   |             |                 | 8,4  | 14 |    | 21 |     |
| 500660 (7610-05/04/100)  | 4 - 6               | M4   | 100         | 3,6             | 4,3  | 8  | 6  | 14 | 1   |
| 500661 (7610-05/05/100)  |                     | M5   |             |                 | 5,3  | 10 |    | 15 |     |
| 500662 (7610-05/06/100)  |                     | M6   |             |                 | 6,5  | 11 |    | 16 |     |
| 500663 (7610-05/08/100)  |                     | M8   |             |                 | 8,4  | 14 |    | 19 |     |
| 500664 (7610-05/10/100)  |                     | M10  |             |                 | 10,5 | 18 |    | 23 |     |
| 500665 (7610-06/05/100)  | 10                  | M5   | 100         | 4,5             | 5,3  | 10 | 8  | 16 | 1,1 |
| 500666 (7610-06/06/100)  |                     | M6   |             |                 | 6,5  | 11 |    | 17 |     |
| 500667 (7610-06/08/100)  |                     | M8   |             |                 | 8,4  | 14 |    | 20 |     |
| 500668 (7610-06/10/100)  |                     | M10  |             |                 | 10,5 | 18 |    | 21 |     |
| 500669 (7610-06/12/100)  |                     | M12  |             |                 | 13,0 | 22 |    | 26 |     |
| 500700 (7610-07/06/100)  | 16                  | M6   | 100         | 5,8             | 6,4  | 11 | 10 | 20 | 1,2 |
| 500701 (7610-07/08/100)  |                     | M8   |             |                 | 8,4  | 14 |    | 22 |     |
| 500702 (7610-07/10/100)  |                     | M10  |             |                 | 10,5 | 18 |    | 24 |     |
| 500703 (7610-07/12/100)  |                     | M12  |             |                 | 13,0 | 22 |    | 26 |     |
| 500704 (7610-08/08/50)   | 25                  | M8   | 50          | 7,5             | 8,4  | 16 | 11 | 25 | 1,5 |
| 500705 (7610-08/10/50)   |                     | M10  |             |                 | 10,5 | 18 |    | 26 |     |
| 500706 (7610-08/12/50)   |                     | M12  |             |                 | 13   | 22 |    | 31 |     |
| 500707 (7610-09/08/25)   | 35                  | M8   | 25          | 9,0             | 8,4  | 16 | 12 | 26 | 1,6 |
| 500708 (7610-09/10/25)   |                     | M10  |             |                 | 10,5 | 18 |    | 27 |     |
| 500709 (7610-09/12/25)   |                     | M12  |             |                 | 13,0 | 22 |    | 31 |     |
| 500710 (7610-10/10/25)   | 50                  | M10  | 25          | 11,0            | 10,5 | 18 | 16 | 34 | 1,8 |
| 500711 (7610-10/12/25)   |                     | M12  |             |                 | 13,0 | 22 |    | 36 |     |
| 500712 (7610-11/10/10)   | 70                  | M10  | 10          | 13,0            | 10,5 | 22 | 18 | 38 | 2,0 |
| 500713 (7610-11/12/10)   |                     | M12  |             |                 | 13,0 | 22 |    | 38 |     |
| 500714 (7610-12/10/10)   | 95                  | M10  | 10          | 15,0            | 10,5 | 24 | 20 | 42 | 2,5 |
| 500715 (7610-12/12/10)   |                     | M12  |             |                 | 13,0 | 24 |    | 42 |     |
| 500716 (7610-12/16/10)   |                     | M16  |             |                 | 17,0 | 24 |    | 44 |     |
| 500717 (7610-13/12/10)   | 120                 | M12  | 10          | 16,5            | 13,0 | 24 | 22 | 44 | 3,0 |
| 500718 (7610-13/16/10)   |                     | M16  |             |                 | 17,0 | 28 |    | 48 |     |
| 500719 (7610-14/12/5)    | 150                 | M12  | 5           | 19,0            | 13,0 | 30 | 24 | 50 | 3,2 |
| 500720 (7610-14/16/5)    |                     | M16  |             |                 | 17,0 | 30 |    | 50 |     |



## TERMINAL COMPONENTS

Bolt-on cable lugs, CupAl washers, terminal pins

CONNECTING ENERGY

### Bolt-on cable lugs

- Application: for rigid and flexible Cu conductors.
- Types 500120 to 500122 contain 2-screws, the other 4-screws.

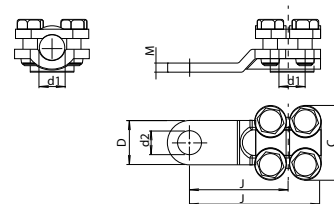
|                          |                                             |
|--------------------------|---------------------------------------------|
| Complies with standards: | STN 37 1347, STN 37 1340,<br>STN EN 61238-1 |
| Material:                | Copper, steel                               |
| Surface treatment:       | Tinning                                     |



500120 - 500122



500123 - 500127



| Ord. No. (Type)  | Current (A) | Cross section (mm²) | Bolt | Pkg. (pcs.) | Dimensions (mm) |      |      |      |    |     |
|------------------|-------------|---------------------|------|-------------|-----------------|------|------|------|----|-----|
|                  |             |                     |      |             | J               | C    | d1   | d2   | D  | M   |
| 500120 (7580-07) | 117         | 16                  | M6   | 25          | 25              | 20,5 | 5,3  | 6,4  | 11 | 2,5 |
| 500121 (7580-08) | 155         | 25                  | M8   | 20          | 30              | 25,0 | 6,8  | 8,4  | 15 | 3,0 |
| 500122 (7580-09) | 192         | 35                  | M8   | 20          | 35              | 27,0 | 8,3  | 8,4  | 15 | 3,0 |
| 500123 (7585-10) | 240         | 50                  | M10  | 10          | 45              | 28,0 | 9,4  | 10,5 | 19 | 3,5 |
| 500124 (7585-11) | 300         | 70                  | M10  | 10          | 50              | 30,0 | 11,3 | 10,5 | 21 | 4,0 |
| 500125 (7585-12) | 365         | 95                  | M12  | 5           | 57              | 32,0 | 13,4 | 13,0 | 24 | 5,0 |
| 500126 (7585-13) | 425         | 120                 | M12  | 5           | 60              | 40,0 | 14,8 | 13,0 | 24 | 5,0 |
| 500127 (7585-14) | 480         | 150                 | M16  | 5           | 65              | 42,0 | 16,3 | 17,0 | 30 | 5,0 |

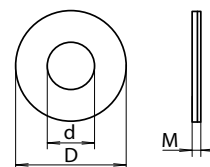
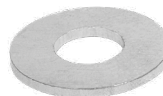
### CupAl washers

- Serves as intermediary segment in the connection of terminal components (Cu+Al) made from different materials.

|           |                   |
|-----------|-------------------|
| Material: | Copper, aluminium |
|-----------|-------------------|



500141



| Ord. No. (Type)      | Outer diameter D (mm) | Internal diameter d (mm) | Thickness M (mm) | Pkg. (pcs.) |
|----------------------|-----------------------|--------------------------|------------------|-------------|
| 500141 (7373-03/100) | 10,5                  | 4,0                      | 1                | 100         |
| 500142 (7373-05/100) | 12,5                  | 5,0                      | 1                | 100         |
| 500143 (7373-07/100) | 14,0                  | 6,0                      | 1                | 100         |
| 500144 (7373-08/100) | 16,0                  | 7,5                      | 1                | 100         |
| 500145 (7373-09/100) | 17,0                  | 8,0                      | 2                | 100         |
| 500146 (7373-12/50)  | 23,0                  | 11,0                     | 2                | 50          |
| 500147 (7373-14/25)  | 28,0                  | 13,0                     | 2                | 25          |
| 500148 (7373-16/25)  | 35,0                  | 17,0                     | 2                | 25          |
| 500149 (7373-18/25)  | 47,0                  | 23,0                     | 2                | 25          |

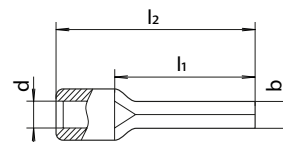
### Terminal pins

- Application: for flexible Cu conductors.

|                          |           |
|--------------------------|-----------|
| Complies with standards: | DIN 46230 |
| Material:                | Copper    |
| Surface treatment:       | Tinning   |



500802

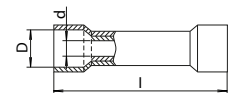


| Ord. No. (Type)      | Cross section (mm²) | Pkg. (pcs.) | Dimensions (mm) |     |      |      |
|----------------------|---------------------|-------------|-----------------|-----|------|------|
|                      |                     |             | d               | b   | l1   | l2   |
| 500800 (7400-01/100) | 0,5 - 1,5           | 100         | 1,6             | 1,9 | 12,0 | 17,0 |
| 500801 (7400-03/100) | 1,5 - 2,5           |             | 2,3             | 1,9 | 12,0 | 17,0 |
| 500802 (7400-05/100) | 4 - 6               | 100         | 3,6             | 2,7 | 14,0 | 20,0 |
| 500803 (7400-06/100) | 10                  |             | 4,8             | 4,3 | 14,5 | 23,5 |
| 500804 (7400-07/100) | 16                  | 100         | 5,9             | 5,5 | 18,0 | 28,0 |

## Cable connectors insulated

- Application: for flexible Cu conductors.

Material: Copper  
 Surface treatment: Tinning  
 PVC insul. temp. stability: -10 °C to +75 °C

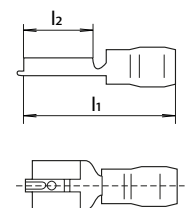


| Ord. No. (Type)      | Insulation colour | Cross section (mm <sup>2</sup> ) | Pkg. (pcs.) | Dimensions (mm) |     |    |
|----------------------|-------------------|----------------------------------|-------------|-----------------|-----|----|
|                      |                   |                                  |             | D               | d   | l  |
| 501000 (LKS-1,5 IZR) | red               | 0,5 - 1,5                        | 100         | 4,1             | 1,7 | 26 |
| 501001 (LKS-2,5 IZB) | blue              | 1,5 - 2,5                        |             | 4,5             | 2,3 | 26 |
| 501002 (LKS-6 IZG)   | yellow            | 4 - 6                            |             | 6,5             | 3,6 | 26 |

## Flat female terminals insulated

- Application: for flexible Cu conductors.
- Flat female terminals are designed with an extra metal ring under the insulation (double crimp).
- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.

Complies with standards: STN EN 61210, DIN 46245  
 Material: Copper  
 Surface treatment: Tinning  
 PVC insul. temp. stability: -10 °C to +75 °C

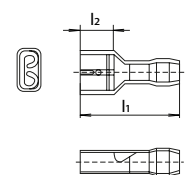


| Ord. No. (Type)    | Insulation colour | Cross section (mm <sup>2</sup> ) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |                |
|--------------------|-------------------|----------------------------------|-------------------|-------------|-----------------|----------------|
|                    |                   |                                  |                   |             | l <sub>1</sub>  | l <sub>2</sub> |
| 501010 (7305-12FR) | red               | 0,5 - 1,5                        | 2,8 x 0,5         | 100         | 19,8            | 8,0            |
| 501011 (7308-12FR) |                   |                                  | 2,8 x 0,8         |             | 19,8            | 8,0            |
| 501012 (7405-12FR) |                   |                                  | 4,8 x 0,5         |             | 19,8            | 6,0            |
| 501013 (7408-12FR) |                   |                                  | 4,8 x 0,8         |             | 19,0            | 6,0            |
| 501014 (7608-12FR) |                   |                                  | 6,3 x 0,8         |             | 22,4            | 6,0            |
| 501015 (7305-13FB) | blue              | 1,5 - 2,5                        | 2,8 x 0,5         | 100         | 18,3            | 6,4            |
| 501016 (7308-13FB) |                   |                                  | 2,8 x 0,8         |             | 18,3            | 6,4            |
| 501017 (7405-13FB) |                   |                                  | 4,8 x 0,5         |             | 19,5            | 6,4            |
| 501018 (7408-13FB) |                   |                                  | 4,8 x 0,8         |             | 19,5            | 6,4            |
| 501019 (7608-13FB) |                   |                                  | 6,3 x 0,8         |             | 22,8            | 7,5            |
| 501020 (7608-15FG) | yellow            | 4 - 6                            | 6,3 x 0,8         | 100         | 25,2            | 7,9            |
| 501021 (7912-15FG) |                   |                                  | 9,5 x 1,2         |             | 29,0            | 12,0           |

## Flat female terminals fully insulated

- Application: for flexible Cu conductors.
- Flat female terminals are designed with an extra metal ring under the insulation (double crimp).
- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.

Complies with standards: STN EN 61210, DIN 46245  
 Material: Copper  
 Surface treatment: Tinning  
 PVC insul. temp. stability: -10 °C to +75 °C



| Ord. No. (Type)     | Insulation colour | Cross section (mm <sup>2</sup> ) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |                |
|---------------------|-------------------|----------------------------------|-------------------|-------------|-----------------|----------------|
|                     |                   |                                  |                   |             | l <sub>1</sub>  | l <sub>2</sub> |
| 501030 (7305P-12FR) | red               | 0,5 - 1,5                        | 2,8 x 0,5         | 100         | 20,0            | 8,0            |
| 501031 (7308P-12FR) |                   |                                  | 2,8 x 0,8         |             | 20,0            | 8,0            |
| 501032 (7405P-12FR) |                   |                                  | 4,8 x 0,5         |             | 20,2            | 8,0            |
| 501033 (7408P-12FR) |                   |                                  | 4,8 x 0,8         |             | 20,2            | 8,0            |
| 501034 (7608P-12FR) |                   |                                  | 6,3 x 0,8         |             | 22,7            | 9,0            |
| 501035 (7405P-13FB) | blue              | 1,5 - 2,5                        | 4,8 x 0,5         | 100         | 20,5            | 7,5            |
| 501036 (7408P-13FB) |                   |                                  | 4,8 x 0,8         |             | 20,5            | 7,5            |
| 501037 (7608P-13FB) |                   |                                  | 6,3 x 0,8         |             | 22,8            | 9,2            |
| 501038 (7608P-15FG) | yellow            | 4 - 6                            | 6,3 x 0,8         | 100         | 25,6            | 8,5            |

## TERMINAL COMPONENTS

### Insulated flat male, female and fork terminals

CONNECTING ENERGY



#### Flat male terminals insulated

- Application: for flexible Cu conductors.
- Flat male terminals are designed with an extra metal ring under the insulation (double crimp).
- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.

Complies with standards: STN EN 61210, DIN 46245  
Material: Copper  
Surface treatment: Tinning  
PVC insul. temp. stability: -10 °C to +75 °C



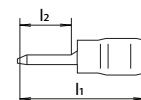
501054



501057



501058



| Ord. No. (Type)    | Insulation colour | Cross section (mm²) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |     |
|--------------------|-------------------|---------------------|-------------------|-------------|-----------------|-----|
|                    |                   |                     |                   |             | l1              | l2  |
| 501050 (7305-12MR) | red               | 0,5 - 1,5           | 2,8 x 0,5         | 100         | 17,5            | 7,5 |
| 501051 (7308-12MR) |                   |                     | 2,8 x 0,8         |             | 17,5            | 7,5 |
| 501052 (7405-12MR) |                   |                     | 4,8 x 0,5         |             | 18,5            | 7,5 |
| 501053 (7408-12MR) |                   |                     | 4,8 x 0,8         |             | 19,0            | 8,0 |
| 501054 (7608-12MR) | blue              | 1,5 - 2,5           | 6,3 x 0,8         | 100         | 21,5            | 8,5 |
| 501055 (7405-13MB) |                   |                     | 4,8 x 0,5         |             | 19,0            | 6,5 |
| 501056 (7408-13MB) |                   |                     | 4,8 x 0,8         |             | 19,0            | 6,5 |
| 501057 (7608-13MB) |                   |                     | 6,3 x 0,8         |             | 21,8            | 8,5 |
| 501058 (7608-15MG) | yellow            | 4 - 6               | 6,3 x 0,8         | 100         | 25,2            | 8,5 |

#### Flat female/male terminals insulated

- Application: for flexible Cu conductors.
- Flat female terminals are designed with an extra metal ring under the insulation (double crimp).
- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.

Complies with standards: STN EN 61210, DIN 46245  
Material: Copper  
Surface treatment: Tinning  
PVC insul. temp. stability: -10 °C to +75 °C



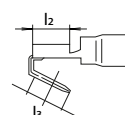
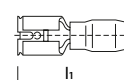
501070



501071



501072



| Ord. No. (Type)     | Insulation colour | Cross section (mm²) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |     |     |
|---------------------|-------------------|---------------------|-------------------|-------------|-----------------|-----|-----|
|                     |                   |                     |                   |             | l1              | l2  | l3  |
| 501070 (7608-12FMR) | red               | 0,5 - 1,5           | 6,3 x 0,8         | 100         | 22,2            | 7,5 | 8,0 |
| 501071 (7608-13FMB) | blue              | 1,5 - 2,5           |                   |             | 22,6            |     |     |
| 501072 (7608-15FMG) | yellow            | 4 - 6               |                   |             | 27,0            |     |     |

#### Insulated fork terminals

- Application: for flexible Cu conductors.

Material: Copper  
Surface treatment: Tinning  
PVC insul. temp. stability: -10 °C to +75 °C



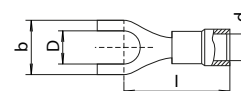
501085



501093



501100



| Ord. No. (Type)          | Insulation colour | Cross section (mm²) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |      |      |      |
|--------------------------|-------------------|---------------------|-------------------|-------------|-----------------|------|------|------|
|                          |                   |                     |                   |             | d               | D    | b    | l    |
| 501080 (7612-12/U 3FR)   | red               | 0,5 - 1,5           | M3                | 100         | 4,1             | 3,2  | 5,0  | 15,5 |
| 501081 (7612-12/U 3,5FR) |                   |                     | M3,5              |             |                 | 3,7  | 5,8  | 16,5 |
| 501082 (7612-12/U 4FR)   |                   |                     | M4                |             |                 | 4,3  | 6,4  | 17,5 |
| 501083 (7612-12/U 5FR)   |                   |                     | M5                |             |                 | 5,3  | 8,0  | 17,5 |
| 501084 (7612-12/U 6FR)   |                   |                     | M6                |             |                 | 6,4  | 9,4  | 18,5 |
| 501085 (7612-12/U 8FR)   |                   |                     | M8                |             |                 | 8,4  | 12,0 | 20,0 |
| 501086 (7612-12/U 10FR)  | blue              | 1,5 - 2,5           | M10               | 100         | 4,5             | 10,5 | 17,5 | 22,5 |
| 501088 (7612-13/U 3FB)   |                   |                     | M3                |             |                 | 3,2  | 5,0  | 15,5 |
| 501089 (7612-13/U 3,5FB) |                   |                     | M3,5              |             |                 | 3,7  | 5,8  | 16,5 |
| 501090 (7612-13/U 4FB)   |                   |                     | M4                |             |                 | 4,3  | 6,4  | 17,5 |
| 501091 (7612-13/U 5FB)   |                   |                     | M5                |             |                 | 5,3  | 8,5  | 20,0 |
| 501092 (7612-13/U 6FB)   |                   |                     | M6                |             |                 | 6,4  | 9,5  | 18,0 |
| 501093 (7612-13/U 8FB)   | yellow            | 4 - 6               | M8                | 100         | 6,5             | 8,4  | 12,0 | 20,0 |
| 501096 (7612-15/U 3,5FG) |                   |                     | M3,5              |             |                 | 3,7  | 7,2  | 22,5 |
| 501097 (7612-15/U 4FG)   |                   |                     | M4                |             |                 | 4,3  | 8,5  | 22,0 |
| 501098 (7612-15/U 5FG)   |                   |                     | M5                |             |                 | 5,3  | 9,5  | 22,0 |
| 501099 (7612-15/U 6FG)   |                   |                     | M6                |             |                 | 6,5  | 9,5  | 25,0 |
| 501100 (7612-15/U 8FG)   |                   |                     | M8                |             |                 | 8,4  | 13,5 | 26,0 |



## Insulated cable lugs

- Application: for flexible Cu conductors.

Complies with standards: DIN 46237  
Material: Copper  
Surface treatment: Tinning  
PVC insul. temp. stability: -10 °C to +75 °C



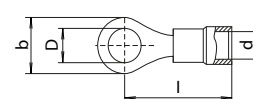
501116



501125



501133



| Ord. No. (Type)          | Insulation colour | Cross section (mm <sup>2</sup> ) | Bolt | Pkg. (pcs.) | Dimensions (mm) |      |      |      |
|--------------------------|-------------------|----------------------------------|------|-------------|-----------------|------|------|------|
|                          |                   |                                  |      |             | d               | D    | b    | l    |
| 501111 (7610-12/M 3FR)   | red               | 0,5 - 1,5                        | M3   | 100         | 4,1             | 3,2  | 5,6  | 14,5 |
| 501112 (7610-12/M 3,5FR) |                   |                                  | M3,5 |             |                 | 3,7  | 6,6  | 14,5 |
| 501113 (7610-12/M 4FR)   |                   |                                  | M4   |             |                 | 4,3  | 6,6  | 16,5 |
| 501114 (7610-12/M 5FR)   |                   |                                  | M5   |             |                 | 5,3  | 8,0  | 18,0 |
| 501115 (7610-12/M 6FR)   |                   |                                  | M6   |             |                 | 6,4  | 11,6 | 18,0 |
| 501116 (7610-12/M 8FR)   |                   |                                  | M8   |             |                 | 8,4  | 11,6 | 22,0 |
| 501117 (7610-12/M 10FR)  |                   |                                  | M10  |             |                 | 10,5 | 13,6 | 24,0 |
| 501118 (7610-12/M 12FR)  |                   |                                  | M12  |             |                 | 13,0 | 19,2 | 25,5 |
| 501120 (7610-13/M 3FB)   | blue              | 1,5 - 2,5                        | M3   | 100         | 4,5             | 3,2  | 6,4  | 17,0 |
| 501121 (7610-13/M 3,5FB) |                   |                                  | M3,5 |             |                 | 3,7  | 6,4  | 17,0 |
| 501122 (7610-13/M 4FB)   |                   |                                  | M4   |             |                 | 4,3  | 8,5  | 16,5 |
| 501123 (7610-13/M 5FB)   |                   |                                  | M5   |             |                 | 5,3  | 8,5  | 20,0 |
| 501124 (7610-13/M 6FB)   |                   |                                  | M6   |             |                 | 6,4  | 12,0 | 18,5 |
| 501125 (7610-13/M 8FB)   |                   |                                  | M8   |             |                 | 8,4  | 12,0 | 23,0 |
| 501126 (7610-13/M 10FB)  |                   |                                  | M10  |             |                 | 10,5 | 13,6 | 25,5 |
| 501127 (7610-13/M 12FB)  |                   |                                  | M12  |             |                 | 13,0 | 19,2 | 24,0 |
| 501128 (7610-15/M 3FG)   | yellow            | 4 - 6                            | M3   | 100         | 6,5             | 3,2  | 7,2  | 22,0 |
| 501129 (7610-15/M 3,5FG) |                   |                                  | M3,5 |             |                 | 3,7  | 8,0  | 22,0 |
| 501130 (7610-15/M 4FG)   |                   |                                  | M4   |             |                 | 4,3  | 9,5  | 22,0 |
| 501131 (7610-15/M 5FG)   |                   |                                  | M5   |             |                 | 5,3  | 9,5  | 22,0 |
| 501132 (7610-15/M 6FG)   |                   |                                  | M6   |             |                 | 6,4  | 12,0 | 25,0 |
| 501133 (7610-15/M 8FG)   |                   |                                  | M8   |             |                 | 8,4  | 15,0 | 26,0 |
| 501134 (7610-15/M 10FG)  |                   |                                  | M10  |             |                 | 10,5 | 15,0 | 27,0 |
| 501135 (7610-15/M 12FG)  |                   |                                  | M12  |             |                 | 13,0 | 19,2 | 27,0 |

## Insulated cable sleeves

- Application: for flexible Cu conductors.

Complies with standards: DIN 46228  
Material: Copper  
Surface treatment: Tinning  
PVC insul. temp. stability: -20 °C to +105 °C



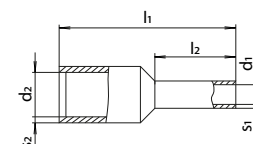
501188



501166



501160



| Ord. No. (Type)     | Insulation colour | Cross section (mm <sup>2</sup> ) | Pkg. (pcs.) | Dimensions (mm) |                |                |                |                |                |
|---------------------|-------------------|----------------------------------|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|
|                     |                   |                                  |             | l <sub>1</sub>  | l <sub>2</sub> | d <sub>1</sub> | d <sub>2</sub> | s <sub>1</sub> | s <sub>2</sub> |
| 501150 (DI 0,14/6)  | grey              | 0,14                             | 100         | 10,4            | 6              | 0,7            | 1,6            | 0,12           | 0,20           |
| 501151 (DI 0,25/6)  | light blue        | 0,25                             | 100         | 10,5            | 6              | 0,75           | 2,0            | 0,25           | 0,25           |
| 501152 (DI 0,25/8)  |                   |                                  |             | 12,5            | 8              | 0,75           |                |                |                |
| 501153 (DI 0,34/6)  | turquoise         | 0,34                             | 100         | 10,5            | 6              | 0,75           | 2,0            | 0,25           | 0,25           |
| 501154 (DI 0,34/8)  |                   |                                  |             | 12,5            | 8              | 0,75           |                |                |                |
| 501155 (DI 0,5/6)   | orange            | 0,5                              | 100         | 12              | 6              | 1,0            | 2,6            | 0,15           | 0,25           |
| 501156 (DI 0,5/8)   |                   |                                  |             | 14              | 8              | 1,0            |                |                |                |
| 501157 (DI 0,5/10)  |                   |                                  |             | 16              | 10             | 1,0            | 2,8            | 0,15           | 0,25           |
| 501158 (DI 0,75/6)  |                   |                                  |             | 12              | 6              | 1,2            |                |                |                |
| 501159 (DI 0,75/8)  | white             | 0,75                             | 100         | 14              | 8              | 1,2            | 2,8            | 0,15           | 0,25           |
| 501160 (DI 0,75/10) |                   |                                  |             | 16              | 10             | 1,2            |                |                |                |
| 501161 (DI 0,75/12) |                   |                                  |             | 18              | 12             | 1,2            | 3,0            | 0,15           | 0,25           |
| 501162 (DI 1/6)     |                   |                                  |             | 12              | 6              | 1,4            |                |                |                |
| 501163 (DI 1/8)     | yellow            | 1                                | 100         | 14              | 8              | 1,4            | 3,0            | 0,15           | 0,25           |
| 501164 (DI 1/10)    |                   |                                  |             | 16              | 10             | 1,4            |                |                |                |
| 501165 (DI 1/12)    |                   |                                  |             | 18              | 12             | 1,4            | 3,5            | 0,15           | 0,25           |
| 501166 (DI 1,5/8)   |                   |                                  |             | 14              | 8              | 1,7            |                |                |                |
| 501167 (DI 1,5/10)  | red               | 1,5                              | 100         | 16              | 10             | 1,7            | 3,5            | 0,15           | 0,25           |
| 501168 (DI 1,5/12)  |                   |                                  |             | 18              | 12             | 1,7            |                |                |                |
| 501169 (DI 1,5/18)  |                   |                                  |             | 24              | 18             | 1,7            | 4,2            | 0,15           | 0,25           |
| 501170 (DI 2,5/8)   |                   |                                  |             | 14              | 8              | 2,2            |                |                |                |
| 501171 (DI 2,5/12)  | blue              | 2,5                              | 100         | 18              | 12             | 2,2            | 4,2            | 0,15           | 0,25           |
| 501172 (DI 2,5/18)  |                   |                                  |             | 24              | 18             | 2,2            |                |                |                |
| 501173 (DI 4/10)    | grey              | 4                                | 100         | 17              | 17             | 10,0           | 4,8            | 0,2            | 0,3            |
| 501174 (DI 4/12)    |                   |                                  |             | 20              | 20             | 12,0           |                |                |                |
| 501175 (DI 4/18)    |                   |                                  |             | 26              | 26             | 18,0           |                |                |                |





## Insulated cable sleeves

(continuing)

| Ord. No. (Type)    | Insulation colour | Cross section (mm <sup>2</sup> ) | Pkg. (pcs.) | Dimensions (mm) |                |                |                |                |                |
|--------------------|-------------------|----------------------------------|-------------|-----------------|----------------|----------------|----------------|----------------|----------------|
|                    |                   |                                  |             | l <sub>1</sub>  | l <sub>2</sub> | d <sub>1</sub> | d <sub>2</sub> | s <sub>1</sub> | s <sub>2</sub> |
| 501176 (DI 6/12)   | black             | 6                                | 100         | 20              | 20             | 12,0           | 6,3            | 0,2            | 0,3            |
| 501177 (DI 6/18)   |                   |                                  |             | 26              | 26             | 18,0           |                |                |                |
| 501178 (DI 10/12)  | ivory             | 10                               | 100         | 22              | 22             | 12,0           | 7,6            | 0,2            | 0,4            |
| 501179 (DI 10/18)  |                   |                                  |             | 28              | 28             | 18,0           |                |                |                |
| 501180 (DI 16/12)  | green             | 16                               | 100         | 24              | 24             | 12,0           | 8,8            | 0,2            | 0,4            |
| 501181 (DI 16/18)  |                   |                                  |             | 28              | 28             | 18,0           |                |                |                |
| 501182 (DI 25/16)  | brown             | 25                               | 100         | 29              | 29             | 16,0           | 11,2           | 0,2            | 0,4            |
| 501183 (DI 25/22)  |                   |                                  |             | 36              | 36             | 22,0           |                |                |                |
| 501184 (DI 35/16)  | beige             | 35                               | 100         | 30              | 30             | 16,0           | 12,7           | 0,2            | 0,4            |
| 501185 (DI 35/25)  |                   |                                  |             | 39              | 39             | 25,0           |                |                |                |
| 501186 (DI 50/20)  | olive             | 50                               | 100         | 36              | 36             | 20,0           | 15,0           | 0,3            | 0,5            |
| 501187 (DI 50/25)  |                   |                                  |             | 40              | 40             | 25,0           |                |                |                |
| 501188 (DI 70/20)  | yellow            | 70                               | 100         | 37              | 37             | 20,0           | 16,0           | 0,40           | 0,60           |
| 501189 (DI 95/25)  | red               | 95                               | 100         | 44              | 44             | 25,0           | 18,0           | 0,40           | 0,60           |
| 501190 (DI 120/27) | blue              | 120                              | 100         | 48              | 48             | 27,0           | 21,0           | 0,50           | 0,70           |
| 501191 (DI 150/32) | yellow            | 150                              | 100         | 58              | 58             | 32,0           | 23,0           | 0,50           | 1,00           |

## Insulated twin cable sleeves

• Application: for flexible Cu conductors.

Complies with standards: DIN 46228  
Material: Copper  
Surface treatment: Tinning  
PVC insul. temp. stability: -20 °C to +105 °C



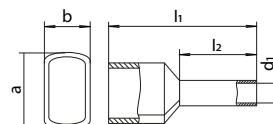
501210



501216



501219



| Ord. No. (Type)      | Insulation colour | Cross section (mm <sup>2</sup> ) | Pkg. (pcs.) | Dimensions (mm) |                |                |      |     |
|----------------------|-------------------|----------------------------------|-------------|-----------------|----------------|----------------|------|-----|
|                      |                   |                                  |             | l <sub>1</sub>  | l <sub>2</sub> | d <sub>1</sub> | a    | b   |
| 501210 (DID 0,5/8)   | orange            | 2 x 0,5                          | 100         | 15              | 8              | 1,5            | 4,5  | 2,3 |
| 501211 (DID 0,5/10)  |                   |                                  |             | 17              | 10             |                |      |     |
| 501212 (DID 0,75/8)  | white             | 2 x 0,75                         | 100         | 15              | 8              | 1,8            | 5,1  | 2,6 |
| 501213 (DID 0,75/10) |                   |                                  |             | 15              | 10             |                |      |     |
| 501214 (DID 1/8)     | yellow            | 2 x 1,0                          | 100         | 15              | 8              | 2,05           | 5,1  | 3,0 |
| 501215 (DID 1/10)    |                   |                                  |             | 17              | 10             |                |      |     |
| 501216 (DID 1,5/8)   | red               | 2 x 1,5                          | 100         | 16              | 8              | 2,3            | 6,4  | 3,5 |
| 501217 (DID 1,5/12)  |                   |                                  |             | 20              | 12             |                |      |     |
| 501218 (DID 2,5/10)  | blue              | 2 x 2,5                          | 100         | 18,5            | 10             | 2,9            | 7,5  | 4,0 |
| 501219 (DID 2,5/13)  |                   |                                  |             | 21,5            | 13             |                |      |     |
| 501220 (DID 4/12)    | grey              | 2 x 4                            | 100         | 23              | 12             | 3,8            | 8,6  | 4,9 |
| 501221 (DID 4/18)    |                   |                                  |             | 29              | 18             |                |      |     |
| 501222 (DID 6/14)    | black             | 2 x 6                            | 100         | 25              | 14             | 4,6            | 9,6  | 5,8 |
| 501223 (DID 6/18)    |                   |                                  |             | 29              | 18             |                |      |     |
| 501224 (DID 10/14)   | ivory             | 2 x 10                           | 100         | 26              | 14             | 6,5            | 12,6 | 7,0 |
| 501225 (DID 16/16)   | green             | 2 x 16                           | 50          | 31              | 16             | 8,5            | 16,6 | 8,8 |

## Insulated pin terminals

• Application: for flexible Cu conductors.

Material: Copper  
Surface treatment: Tinning  
PVC insul. temp. stability: -10 °C to +75 °C



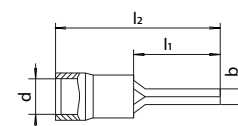
501240



501244



501248



| Ord. No. (Type)      | Insulation colour | Cross section (mm <sup>2</sup> ) | Pkg. (pcs.) | Dimensions (mm) |     |                |                |
|----------------------|-------------------|----------------------------------|-------------|-----------------|-----|----------------|----------------|
|                      |                   |                                  |             | d               | b   | l <sub>1</sub> | l <sub>2</sub> |
| 501240 (7400-P8 FR)  | red               | 0,5 - 1,5                        | 100         | 3,9             | 1,7 | 8              | 17,8           |
| 501241 (7400-P10 FR) |                   |                                  |             |                 | 1,8 | 10             | 19,8           |
| 501242 (7400-P12 FR) |                   |                                  |             |                 | 1,8 | 12             | 22             |
| 501243 (7400-P8 FB)  | blue              | 1,5 - 2,5                        | 100         | 4,9             | 1,7 | 8              | 17,8           |
| 501244 (7400-P10 FB) |                   |                                  |             |                 | 1,8 | 10             | 19,8           |
| 501245 (7400-P12 FB) |                   |                                  |             |                 | 1,8 | 12             | 21,8           |
| 501248 (7400-P14 FG) | yellow            | 4 - 6                            | 100         | 6,7             | 2,2 | 14             | 28,6           |

### Flat female terminals

- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.
- The recommended length of the bared end of the conductor is 6 mm for the conductors of 0,5 ÷ 2,5 mm<sup>2</sup> cross sections and 7 mm for larger cross sections.

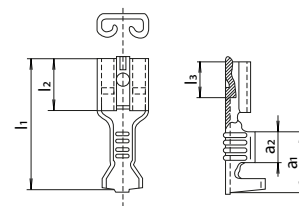
Complies with standards: STN EN 61210, DIN 46247  
Protection: IP20 with slide insulators  
Material: Brass  
Ambient temperature: +85 °C



500162



500163



| Ord. No. (Type)      | Surface treatment | Current (A) | Cross section (mm <sup>2</sup> ) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |                |                |                |                |
|----------------------|-------------------|-------------|----------------------------------|-------------------|-------------|-----------------|----------------|----------------|----------------|----------------|
|                      |                   |             |                                  |                   |             | l <sub>1</sub>  | l <sub>2</sub> | l <sub>3</sub> | a <sub>1</sub> | a <sub>2</sub> |
| 500162 (7100-01/100) | Passivation       | 4 - 7,5     | 0,5 - 1                          | 2,8 x 0,5         | 100         | 14,5            | 6,2            | 3,3            | 5,5            | 2,5            |
| 500163 (7100-11/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |                |
| 500164 (7101-01/100) | Passivation       | 4 - 7,5     | 0,5 - 1                          | 4,8 x 0,8         | 100         | 15,6            | 6,4            | 3,8            | 6,0            | 3,4            |
| 500165 (7101-11/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |                |
| 500168 (7102-01/100) | Passivation       | 4 - 7,5     | 0,5 - 1                          | 6,3 x 0,8         | 100         | 19,2            | 7,6            | 4,0            | 8,5            | 4,5            |
| 500169 (7102-11/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |                |
| 500170 (7102-03/100) | Passivation       | 12 - 15     | 1,5 - 2,5                        | 6,3 x 0,8         | 100         | 19,2            | 7,6            | 4,0            | 8,5            | 4,5            |
| 500171 (7102-13/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |                |
| 500172 (7102-05/100) | Passivation       | 18 - 20     | 4 - 6                            | 6,3 x 0,8         | 100         | 19,2            | 7,6            | 4,0            | 8,5            | 4,5            |
| 500173 (7102-15/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |                |

### Flat male terminals

- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.
- The recommended length of the bared end of the conductor is 6 mm for the conductors of 1,5 ÷ 2,5 mm<sup>2</sup>.

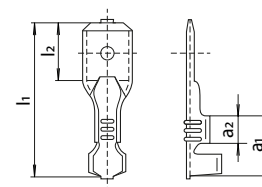
Complies with standards: STN EN 61210, DIN 46248  
Protection: IP20 with slide insulators  
Material: Brass  
Ambient temperature: +85 °C



500190



500191



| Ord. No. (Type)      | Surface treatment | Current (A) | Cross section (mm <sup>2</sup> ) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |                |                |                |
|----------------------|-------------------|-------------|----------------------------------|-------------------|-------------|-----------------|----------------|----------------|----------------|
|                      |                   |             |                                  |                   |             | l <sub>1</sub>  | l <sub>2</sub> | a <sub>1</sub> | a <sub>2</sub> |
| 500190 (7212-03/100) | Passivation       | 12 - 15     | 1,5 - 2,5                        | 6,3 x 0,8         | 100         | 20              | 7,9            | 8,5            | 4,6            |
| 500191 (7212-13/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |



## TERMINAL COMPONENTS

### Flat female/male and double male terminals

CONNECTING ENERGY

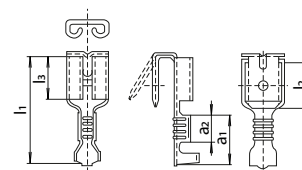
#### Flat female/male terminal

- The recommended length of the bared end of the conductor is 6 mm for the conductors of  $1,5 \div 2,5 \text{ mm}^2$ .
- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.

|                          |                            |
|--------------------------|----------------------------|
| Complies with standards: | STN EN 61210, DIN 46346    |
| Protection:              | IP20 with slide insulators |
| Material:                | Brass                      |
| Surface treatment:       | Passivation                |
| Ambient temperature:     | +85 °C                     |



500200



| Ord. No. (Type)      | Current (A) | Cross section (mm²) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |    |     |     |     |
|----------------------|-------------|---------------------|-------------------|-------------|-----------------|----|-----|-----|-----|
|                      |             |                     |                   |             | l1              | l2 | l3  | a1  | a2  |
| 500200 (7132-03/100) | 10          | 1,5 – 2,5           | 6,3 x 0,8         | 100         | 19,2            | 8  | 7,6 | 8,5 | 4,5 |

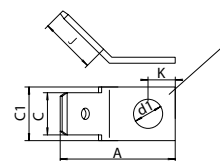
#### Flat male terminals (panel male faston)

- Terminal components with specially finished surface for the lowest transient resistance and the maximum protection against corrosion.

|                          |              |
|--------------------------|--------------|
| Complies with standards: | STN EN 61210 |
| Material:                | Brass        |
| Surface treatment:       | Passivation  |
| Ambient temperature:     | +85 °C       |



500226



| Ord. No. (Type)        | Design | Number of poles | Current (A) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |    |     |     |     |    |     |
|------------------------|--------|-----------------|-------------|-------------------|-------------|-----------------|----|-----|-----|-----|----|-----|
|                        |        |                 |             |                   |             | A               | C1 | C   | J   | K   | d1 | M   |
| 500224 (7202-00/4/100) | angled | 1               | 20          | 6,3 x 0,8         | 100         | 16,0            | 8  | 6,3 | 8,0 | 4,0 | M4 | 0,8 |
| 500226 (7202-00/5/100) |        |                 |             |                   |             | 18,0            | 10 |     |     | 5,0 | M5 |     |

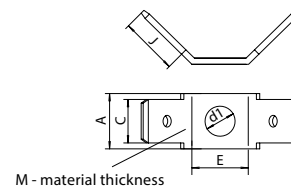
#### Flat double male terminals (panel male double faston)

- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.

|                          |              |
|--------------------------|--------------|
| Complies with standards: | STN EN 61210 |
| Material:                | Brass        |
| Surface treatment:       | Passivation  |
| Ambient temperature:     | +85 °C       |



500240



| Ord. No. (Type)      | Design | Number of poles | Current (A) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |     |    |    |   |     |
|----------------------|--------|-----------------|-------------|-------------------|-------------|-----------------|-----|----|----|---|-----|
|                      |        |                 |             |                   |             | A               | C   | E  | d1 | J | M   |
| 500240 (7242-00/5/1) | angled | 1               | 25          | 6,3 x 0,8         | 100         | 8,0             | 6,3 | 10 | M5 | 8 | 0,8 |

## TERMINAL COMPONENTS

### Flat male and female terminals and insulator

CONNECTING ENERGY



#### Female terminals

- Through a special protruded cleat which locks with insulating bodies they create one unit-Multipole insulated plug or socket.
- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.
- The recommended length of the bared end of the conductor is 6 mm for the conductors of  $0,5 \div 2,5 \text{ mm}^2$ .

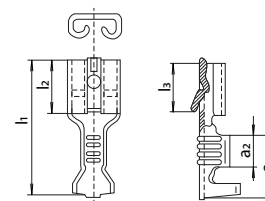
Complies with standards: STN EN 61210, DIN 46340  
 Protection: IP20 with slide insulators  
 Material: Brass  
 Ambient temperature: +85 °C



500260



500261



| Ord. No. (Type)      | Surface treatment | Current (A) | Cross section (mm <sup>2</sup> ) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |                |                |                |                |
|----------------------|-------------------|-------------|----------------------------------|-------------------|-------------|-----------------|----------------|----------------|----------------|----------------|
|                      |                   |             |                                  |                   |             | l <sub>1</sub>  | l <sub>2</sub> | l <sub>3</sub> | a <sub>1</sub> | a <sub>2</sub> |
| 500260 (7122-01/100) | Passivation       | 4 - 7,5     | 0,5 - 1                          | 6,3 x 0,8         | 100         | 19              | 7,4            | 7              | 8,5            | 4,5            |
| 500261 (7122-11/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |                |
| 500262 (7122-03/100) | Passivation       | 12 - 15     | 1,5 - 2,5                        |                   |             |                 |                |                |                |                |
| 500263 (7122-13/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |                |

#### ACCESSORIES

| For female           | Front slide terminal insulator | Ord. No. (Type)  |
|----------------------|--------------------------------|------------------|
| 500260 (7122-01/100) |                                | 500302 (7912-24) |
| 500261 (7122-11/100) |                                |                  |
| 500262 (7122-03/100) |                                |                  |
| 500263 (7122-13/100) |                                |                  |

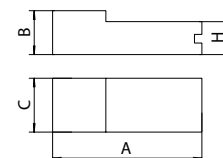
#### Single-wire slide over insulator

- Slide-over insulators are slid from the front after the flat female terminal is crimped on the conductor.
- Ord. No. 500302 – white colour.



500302

Material: PA  
 Ambient temperature: -55 °C to +155 °C



| Ord. No. (Type)  | Flat female           | Surface treatment of female | Cross section (mm <sup>2</sup> ) | Pkg. (pcs.) |      | Dimensions (mm) |     |     |   |
|------------------|-----------------------|-----------------------------|----------------------------------|-------------|------|-----------------|-----|-----|---|
|                  |                       |                             |                                  |             |      | A               | B   | C   | H |
| 500302 (7912-24) | 500260 (7122-01/100)  | Passivation                 | 0,5 - 1                          | 100         | 24,3 | 8               | 9,9 | 6,6 |   |
|                  | 500261 (7122 -11/100) | Tinning                     |                                  |             |      |                 |     |     |   |
|                  | 500262 (7122-03/100)  | Passivation                 | 1,5 - 2,5                        |             |      |                 |     |     |   |
|                  | 500263 (7122 -13/100) | Tinning                     |                                  |             |      |                 |     |     |   |

#### Male terminals

- Through a special protruded cleat which locks with insulating bodies they create one unit-Multipole insulated plug or socket.
- Terminal components specially finished surface for the lowest transient resistances and the maximum protection against corrosion.
- The recommended length of the bared end of the conductor is 6 mm for the conductors of  $0,5 \div 2,5 \text{ mm}^2$ .

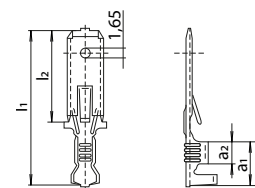
Complies with standards: STN EN 61210, DIN 46343  
 Material: Brass  
 Ambient temperature: +85 °C



500280



500281



| Ord. No. (Type)      | Surface treatment | Current (A) | Cross section (mm <sup>2</sup> ) | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |                |                |                |
|----------------------|-------------------|-------------|----------------------------------|-------------------|-------------|-----------------|----------------|----------------|----------------|
|                      |                   |             |                                  |                   |             | l <sub>1</sub>  | l <sub>2</sub> | a <sub>1</sub> | a <sub>2</sub> |
| 500280 (7232-01/100) | Passivation       | 4 - 7,5     | 0,5 - 1                          | 6,3 x 0,8         | 100         | 28              | 16             | 8,2            | 4              |
| 500281 (7232-11/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |
| 500282 (7232-03/100) | Passivation       | 12 - 15     | 1,5 - 2,5                        |                   |             |                 |                |                |                |
| 500283 (7232-13/100) | Tinning           |             |                                  |                   |             |                 |                |                |                |



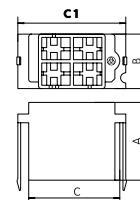
### Multipole plastic sockets secured

- The design of both sockets and plugs prevents them from twisting and wrong insertion of socket into plug.
- The terminals are inserted into the insulation bodies after they have been pressed on the conductor.



500441

Material: Thermoplast  
Ambient temperature: -25 °C to +85 °C



| Ord. No. (Type)  | Number of poles | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |      |      |      |
|------------------|-----------------|-------------------|-------------|-----------------|------|------|------|
|                  |                 |                   |             | A               | B    | C    | C1   |
| 500440 (7942-10) | 4               | 6,3 x 0,8         | 100         | 25,0            | 17,0 | 23,4 | 34,7 |
| 500441 (7962-10) | 6               |                   |             | 24,5            | 16,3 | 28,6 | 38,0 |
| 500442 (7982-10) | 8               |                   |             |                 |      | 37,8 | 47,3 |

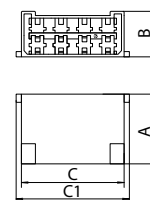
### Multipole plastic plugs secured

- The design of both sockets and plugs prevents them from twisting and wrong insertion of socket into plug.
- The terminals are inserted into the insulation bodies after they have been pressed on the conductor.



500461

Material: Thermoplast  
Ambient temperature: -25 °C to +85 °C



| Ord. No. (Type)  | Number of poles | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |      |      |      |
|------------------|-----------------|-------------------|-------------|-----------------|------|------|------|
|                  |                 |                   |             | A               | B    | C    | C1   |
| 500460 (7042-10) | 4               | 6,3 x 0,8         | 100         | 32,5            | 17,2 | 27,5 | 37,2 |
| 500461 (7062-10) | 6               |                   | 100         |                 | 18,0 | 31,4 | 40,5 |
| 500462 (7082-10) | 8               |                   | 100         |                 |      | 40,6 | 49,8 |

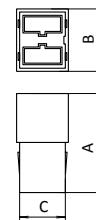
### Plastic sockets combined

- The design of both sockets and plugs prevents them from twisting and wrong insertion of socket into plug.
- The terminals are inserted into the insulation bodies after they have been pressed on the conductor.



500480

Material: Thermoplast  
Ambient temperature: -25 °C to +85 °C



| Ord. No. (Type)  | Number of poles | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |    |      |
|------------------|-----------------|-------------------|-------------|-----------------|----|------|
|                  |                 |                   |             | A               | B  | C    |
| 500480 (7922-00) | 2               | 6,3 x 0,8         | 100         | 22,9            | 15 | 12,2 |

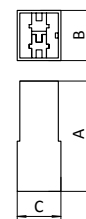
### Plastic plugs combined

- The design of both sockets and plugs prevents them from twisting and wrong insertion of socket into plug.
- The terminals are inserted into the insulation bodies after they have been pressed on the conductor.



500500

Material: Thermoplast  
Ambient temperature: -25 °C to +85 °C



| Ord. No. (Type)  | Number of poles | Nominal size (mm) | Pkg. (pcs.) | Dimensions (mm) |      |      |
|------------------|-----------------|-------------------|-------------|-----------------|------|------|
|                  |                 |                   |             | A               | B    | C    |
| 500500 (7022-00) | 2               | 6,3 x 0,8         | 100         | 32              | 15,5 | 13,5 |





|                               |    |                       |    |                        |    |                      |    |
|-------------------------------|----|-----------------------|----|------------------------|----|----------------------|----|
| 102268 (IZV 1653)             | 32 | 102966 (IEN 3243)     | 38 | 103570 (IERN 1631)     | 42 | 104315 (IRRGN 3251)  | 50 |
| 102270 (IZV 3243)             | 32 | 102967 (IEN 3253)     | 38 | 103573 (IERN 3231)     | 42 | 104324 (IRRG 1653)   | 50 |
| 102271 (IZV 3253)             | 32 | 102968 (IEN 1635)     | 38 | 103576 (IERN 1632)     | 42 | 104327 (IRRG 3253)   | 50 |
| 102347, 102348 (IZVN 16, 16S) | 32 | 102969 (IEN 1645)     | 38 | 103583 (IERN 1643)     | 42 | 104328 (IRRGN 1635)  | 50 |
| 102357 (IZVN 1643)            | 32 | 102970 (IEN 1655)     | 38 | 103584 (IERN 1653)     | 42 | 104329 (IRRGN 1645)  | 50 |
| 102358 (IZVN 1653)            | 32 | 102971 (IEN 3235)     | 38 | 103579 (IERN 3232)     | 42 | 104330 (IRRGN 1655)  | 50 |
| 102352 (IZVN 3232)            | 32 | 102972 (IEN 3245)     | 38 | 103586 (IERN 3243)     | 42 | 104331 (IRRGN 3235)  | 50 |
| 102360 (IZVN 3243)            | 32 | 102973 (IEN 3255)     | 38 | 103587 (IERN 3253)     | 42 | 104332 (IRRGN 3245)  | 50 |
| 102361 (IZVN 3253)            | 32 | 103043 (IEN 6332)     | 38 | 103674 (IERB 1653)     | 44 | 104333 (IRRGN 3255)  | 50 |
| 102430 (IPN 1631)             | 34 | 103047 (IEN 6343)     | 38 | 103676 (IERB 3253)     | 44 | 104400 (IRRGB 1631)  | 50 |
| 102431 (IPN 1641)             | 34 | 103048 (IEN 6353)     | 38 | 103750 (VZ 16)         | 44 | 104402 (IRRGB 1651)  | 50 |
| 102432 (IPN 1651)             | 34 | 103130 (IEB 1631)     | 40 | 103751 (VZ 16S)        | 44 | 104404 (IRRGB 3241)  | 50 |
| 102433 (IPN 3231)             | 34 | 103131 (IEB 1641)     | 40 | 103752 (VZ 16/Black)   | 44 | 104405 (IRRGB 3251)  | 50 |
| 102434 (IPN 3241)             | 34 | 103132 (IEB 1651)     | 40 | 103753 (VZ 16S/Black)  | 44 | 104406 (IRRGB 1632)  | 50 |
| 102435 (IPN 3251)             | 34 | 103133 (IEB 3231)     | 40 | 103753 (VZ 16cS/Black) | 44 | 104408 (IRRGB 1652)  | 50 |
| 102436 (IPN 1632)             | 34 | 103134 (IEB 3241)     | 40 | 103754 (VZ 16DK)       | 44 | 104410 (IRRGB 3242)  | 50 |
| 102439 (IPN 3232)             | 34 | 103135 (IEB 3251)     | 40 | 103755 (VZ 16IT)       | 44 | 104411 (IRRGB 3252)  | 50 |
| 102443 (IPN 1643)             | 34 | 103136 (IEB 1632)     | 40 | 103756 (VZ 16GB)       | 44 | 104414 (IRRGB 1653)  | 50 |
| 102444 (IPN 1653)             | 34 | 103137 (IEB 1642)     | 40 | 103757 (VZ 16T13)      | 44 | 104416 (IRRGB 3243)  | 50 |
| 102446 (IPN 3243)             | 34 | 103138 (IEB 1652)     | 40 | 103758 (VZ 16T23)      | 44 | 104417 (IRRGB 3253)  | 50 |
| 102447 (IPN 3253)             | 34 | 103139 (IEB 3232)     | 40 | 103759 (VZ 16T25)      | 44 | 104490 (IRRGN 6331)  | 52 |
| 102448 (IPN 1635)             | 34 | 103140 (IEB 3242)     | 40 | 103760 (VZ 16c)        | 44 | 104491 (IRRGN 6341)  | 52 |
| 102449 (IPN 1645)             | 34 | 103141 (IEB 3252)     | 40 | 103761 (VZ 16cS)       | 44 | 104492 (IRRGN 6351)  | 52 |
| 102450 (IPN 1655)             | 34 | 103143 (IEB 1643)     | 40 | 103762 (VZ 16c/Black)  | 44 | 104493 (IRRGN 6332)  | 52 |
| 102451 (IPN 3235)             | 34 | 103144 (IEB 1653)     | 40 | 103763 (VZ 16cS/Black) | 44 | 104497 (IRRGN 6343)  | 52 |
| 102452 (IPN 3245)             | 34 | 103146 (IEB 3243)     | 40 | 103790 (VZG 16)        | 44 | 104498 (IRRGN 6353)  | 52 |
| 102453 (IPN 3255)             | 34 | 103147 (IEB 3253)     | 40 | 103792 (VZG 16S)       | 44 | 104540 (IRRGN 12531) | 52 |
| 102520 (IPB 1631)             | 34 | 103220 (IEG 1631)     | 40 | 103830 (VZ 48)         | 46 | 104541 (IRRGN 12541) | 52 |
| 102522 (IPB 1651)             | 34 | 103221 (IEG 1641)     | 40 | 103846 (IR 1632)       | 46 | 104542 (IRRGN 12551) | 52 |
| 102524 (IPB 3241)             | 34 | 103222 (IEG 1651)     | 40 | 103849 (IR 3232)       | 46 | 104543 (IRRGN 12532) | 52 |
| 102525 (IPB 3251)             | 34 | 103223 (IEG 3231)     | 40 | 103853 (IR 1643)       | 46 | 104547 (IRRGN 12543) | 52 |
| 102526 (IPB 1632)             | 34 | 103224 (IEG 3241)     | 40 | 103854 (IR 1653)       | 46 | 104548 (IRRGN 12553) | 52 |
| 102528 (IPB 1652)             | 34 | 103225 (IEG 3251)     | 40 | 103856 (IR 3243)       | 46 | 104550 (IRRGN 12545) | 52 |
| 102530 (IPB 3242)             | 34 | 103226 (IEG 1632)     | 40 | 103857 (IR 3253)       | 46 | 104551 (IRRGN 12555) | 52 |
| 102531 (IPB 3252)             | 34 | 103227 (IEG 1642)     | 40 | 103936 (IRG 1632)      | 46 | 104634 (A 1653/43)   | 52 |
| 102534 (IPB 1653)             | 34 | 103229 (IEG 3232)     | 40 | 103939 (IRG 3232)      | 46 | 104637 (A 3253/43)   | 52 |
| 102537 (IPB 3253)             | 34 | 103230 (IEG 3242)     | 40 | 103943 (IRG 1643)      | 46 | 104693 (A 16-32/4)   | 54 |
| 102624 (IPNO 1653)            | 34 | 103233 (IEG 1643)     | 40 | 103944 (IRG 1653)      | 46 | 104694 (A 16-32/5)   | 54 |
| 102627 (IPNO 3253)            | 34 | 103234 (IEG 1653)     | 40 | 103946 (IRG 3243)      | 46 | 104753 (RA 1643)     | 54 |
| 102700 (IPG 1631)             | 36 | 103236 (IEG 3243)     | 40 | 103947 (IRG 3253)      | 46 | 104754 (RA 1653)     | 54 |
| 102701 (IPG 1641)             | 36 | 103237 (IEG 3253)     | 40 | 104020 (IRGN 6331)     | 48 | 104756 (RA 3243)     | 54 |
| 102702 (IPG 1651)             | 36 | 103238 (IEG 1635)     | 40 | 104022 (IRGN 6351)     | 48 | 104757 (RA 3253)     | 54 |
| 102703 (IPG 3231)             | 36 | 103239 (IEG 1645)     | 40 | 104023 (IRGN 6332)     | 48 | 104812 (A 16-32/5-0) | 54 |
| 102704 (IPG 3241)             | 36 | 103240 (IEG 1655)     | 40 | 104024 (IRGN 6342)     | 48 | 104814 (A 1653/43-0) | 54 |
| 102705 (IPG 3251)             | 36 | 103241 (IEG 3235)     | 40 | 104025 (IRGN 6352)     | 48 | 104817 (A 3253/43-0) | 54 |
| 102706 (IPG 1632)             | 36 | 103242 (IEG 3245)     | 40 | 104027 (IRGN 6343)     | 48 | 104866 (SA-1)        | 56 |
| 102709 (IPG 3232)             | 36 | 103243 (IEG 3255)     | 40 | 104028 (IRGN 6353)     | 48 | 104867 (SA-1S)       | 56 |
| 102713 (IPG 1643)             | 36 | 103310 (IEGB 1631)    | 40 | 104029 (IRGN 6335)     | 48 | 104934 (SA-2)        | 56 |
| 102714 (IPG 1653)             | 36 | 103311 (IEGB 1641)    | 40 | 104030 (IRGN 6345)     | 48 | 104935 (SA-2S)       | 56 |
| 102716 (IPG 3243)             | 36 | 103312 (IEGB 1651)    | 40 | 104031 (IRGN 6355)     | 48 | 104986 (SA-3)        | 56 |
| 102717 (IPG 3253)             | 36 | 103313 (IEGB 3231)    | 40 | 104070 (IRRN 1631)     | 48 | 104989 (SA-4)        | 56 |
| 102718 (IPG 1635)             | 36 | 103314 (IEGB 3241)    | 40 | 104071 (IRRN 1641)     | 48 | 105040 (BZS 1631)    | 58 |
| 102719 (IPG 1645)             | 36 | 103315 (IEGB 3251)    | 40 | 104072 (IRRN 1651)     | 48 | 105041 (BZS 1641)    | 58 |
| 102720 (IPG 1655)             | 36 | 103316 (IEGB 1632)    | 40 | 104073 (IRRN 3231)     | 48 | 105042 (BZS 1651)    | 58 |
| 102721 (IPG 3235)             | 36 | 103317 (IEGB 1642)    | 40 | 104074 (IRRN 3241)     | 48 | 105043 (BZS 3231)    | 58 |
| 102722 (IPG 3245)             | 36 | 103318 (IEGB 1652)    | 40 | 104075 (IRRN 3251)     | 48 | 105044 (BZS 3241)    | 58 |
| 102723 (IPG 3255)             | 36 | 103319 (IEGB 3232)    | 40 | 104076 (IRRN 1632)     | 48 | 105045 (BZS 3251)    | 58 |
| 102798 (IPGN 6353)            | 36 | 103320 (IEGB 3242)    | 40 | 104079 (IRRN 3232)     | 48 | 105046 (BZS 1632)    | 58 |
| 102820 (IPGN 6331)            | 36 | 103321 (IEGB 3252)    | 40 | 104083 (IRRN 1643)     | 48 | 105047 (BZS 1642)    | 58 |
| 102821 (IPGN 6341)            | 36 | 103323 (IEGB 1643)    | 40 | 104084 (IRRN 1653)     | 48 | 105048 (BZS 1652)    | 58 |
| 102822 (IPGN 6351)            | 36 | 103324 (IEGB 1653)    | 40 | 104086 (IRRN 3243)     | 48 | 105049 (BZS 3232)    | 58 |
| 102823 (IPGN 6332)            | 36 | 103326 (IEGB 3243)    | 40 | 104087 (IRRN 3253)     | 48 | 105050 (BZS 3242)    | 58 |
| 102827 (IPGN 6343)            | 36 | 103327 (IEGB 3253)    | 40 | 104088 (IRRN 1635)     | 48 | 105051 (BZS 3252)    | 58 |
| 102830 (IPGN 6345)            | 36 | 103400 (IEGN 6331)    | 42 | 104089 (IRRN 1645)     | 48 | 105053 (BZS 1643)    | 58 |
| 102870 (IPGN 12531)           | 38 | 103401 (IEGN 6341)    | 42 | 104090 (IRRN 1655)     | 48 | 105054 (BZS 1653)    | 58 |
| 102871 (IPGN 12541)           | 38 | 103402 (IEGN 6351)    | 42 | 104091 (IRRN 3235)     | 48 | 105056 (BZS 3243)    | 58 |
| 102872 (IPGN 12551)           | 38 | 103403 (IEGN 6332)    | 42 | 104092 (IRRN 3245)     | 48 | 105057 (BZS 3253)    | 58 |
| 102873 (IPGN 12532)           | 38 | 103407 (IEGN 6343)    | 42 | 104093 (IRRN 3255)     | 48 | 105130 (BZG 1631)    | 58 |
| 102877 (IPGN 12543)           | 38 | 103408 (IEGN 6353)    | 42 | 104160 (IRRB 1631)     | 48 | 105131 (BZG 1641)    | 58 |
| 102878 (IPGN 12553)           | 38 | 103410 (IEGN 6345)    | 42 | 104162 (IRRB 1651)     | 48 | 105132 (BZG 1651)    | 58 |
| 102880 (IPGN 12545)           | 38 | 103480 (IEGN 12531)   | 42 | 104164 (IRRB 3241)     | 48 | 105133 (BZG 3231)    | 58 |
| 102881 (IPGN 12555)           | 38 | 103481 (IEGN 12541)   | 42 | 104165 (IRRB 3251)     | 48 | 105134 (BZG 3241)    | 58 |
| 102950 (IEN 1631)             | 38 | 103482 (IEGN 12551)   | 42 | 104166 (IRRB 1632)     | 48 | 105135 (BZG 3251)    | 58 |
| 102951 (IEN 1641)             | 38 | 103483 (IEGN 12531-p) | 42 | 104168 (IRRB 1652)     | 48 | 105136 (BZG 1632)    | 58 |
| 102952 (IEN 1651)             | 38 | 103484 (IEGN 12541-p) | 42 | 104170 (IRRB 3242)     | 48 | 105137 (BZG 1642)    | 58 |
| 102953 (IEN 3231)             | 38 | 103485 (IEGN 12551-p) | 42 | 104171 (IRRB 3252)     | 48 | 105139 (BZG 3232)    | 58 |
| 102954 (IEN 3241)             | 38 | 103489 (IEGN 12532)   | 42 | 104174 (IRRB 1653)     | 48 | 105140 (BZG 3242)    | 58 |
| 102955 (IEN 3251)             | 38 | 103492 (IEGN 12532-p) | 42 | 104177 (IRRB 3253)     | 48 | 105143 (BZG 1643)    | 58 |
| 102956 (IE 1632)              | 38 | 103499 (IEGN 12543)   | 42 | 104264 (IRRNO 1653)    | 50 | 105144 (BZG 1653)    | 58 |
| 102957 (IEN 1642)             | 38 | 103500 (IEGN 12553)   | 42 | 104266 (IRRNO 3243)    | 50 | 105146 (BZG 3243)    | 58 |
| 102958 (IEN 1652)             | 38 | 103502 (IEGN 12543-p) | 42 | 104267 (IRRNO 3253)    | 50 | 105147 (BZG 3253)    | 58 |
| 102959 (IE 3232)              | 38 | 103503 (IEGN 12553-p) | 42 | 104310 (IRRGN 1631)    | 50 | 105220 (BZS 1631v)   | 58 |
| 102960 (IEN 3242)             | 38 | 103508 (IEGN 12545)   | 42 | 104311 (IRRGN 1641)    | 50 | 105221 (BZS 1641v)   | 58 |
| 102961 (IEN 3252)             | 38 | 103509 (IEGN 12555)   | 42 | 104312 (IRRGN 1651)    | 50 | 105222 (BZS 1651v)   | 58 |
| 102963 (IEN 1643)             | 38 | 103511 (IEGN 12545-p) | 42 | 104313 (IRRGN 3231)    | 50 | 105223 (BZS 3231v)   | 58 |
| 102964 (IEN 1653)             | 38 | 103512 (IEGN 12555-p) | 42 | 104314 (IRRGN 3241)    | 50 | 105224 (BZS 3241v)   | 58 |



|                          |    |                            |    |                              |    |                          |    |
|--------------------------|----|----------------------------|----|------------------------------|----|--------------------------|----|
| 105225 (BZS 3251v)       | 58 | 200004 (ROS-FI 3203)       | 72 | 200225 (ROS 1605 D/S)        | 79 | 200426 (ROP 1643/IVN)    | 87 |
| 105226 (BZS 1632v)       | 58 | 200005 (ROS-FI 3203/S)     | 72 | 200226 (ROS 1607 D)          | 79 | 200428 (ROP 3243/IVN)    | 87 |
| 105227 (BZS 1642v)       | 58 | 200006 (ROS-FI 1602/C)     | 72 | 200227 (ROS 1607 D/S)        | 79 | 200800 (ROS 4/I-12)      | 88 |
| 105228 (BZS 1652v)       | 58 | 200007 (ROS-FI 1602/C/S)   | 72 | 200228 (ROS 3201 D)          | 79 | 200801 (ROS 4/I-12/S)    | 88 |
| 105229 (BZS 3232v)       | 58 | 200008 (ROS-FI 3202/C)     | 72 | 200230 (ROS 1600 D)          | 79 | 200802 (ROS 4/I-10)      | 88 |
| 105230 (BZS 3242v)       | 58 | 200009 (ROS-FI 3202/C/S)   | 72 | 200232 (ROS 1602 D)          | 79 | 200803 (ROS 4/I-10/S)    | 88 |
| 105231 (BZS 3252v)       | 58 | 200020 (ROS-FI 1600 A)     | 72 | 200233 (ROS 1602 D/S)        | 79 | 200804 (ROS 4/I-52)      | 88 |
| 105233 (BZS 1643v)       | 58 | 200021 (ROS-FI 1600 A/S)   | 72 | 200234 (ROS 1604 D)          | 79 | 200805 (ROS 4/I-52/S)    | 88 |
| 105234 (BZS 1653v)       | 58 | 200030 (ROS-I 1601)        | 73 | 200235 (ROS 1604 D/S)        | 79 | 200806 (ROS 4/I-50)      | 88 |
| 105236 (BZS 3243v)       | 58 | 200031 (ROS-I 1601/S)      | 73 | 200236 (ROS 3200 D)          | 79 | 200807 (ROS 4/I-50/S)    | 88 |
| 105237 (BZS 3253v)       | 58 | 200032 (ROS-I 1603)        | 73 | 200260 (ROSP 4VZ)            | 80 | 200820 (ROS 4/x-12)      | 88 |
| 105238 (BZS 1635v)       | 58 | 200033 (ROS-I 1603/S)      | 73 | 200261 (ROSP 4VZ/S)          | 80 | 200821 (ROS 4/x-12/S)    | 88 |
| 105239 (BZS 1645v)       | 58 | 200034 (ROS-I 3201)        | 73 | 200262 (ROSP 6VZ)            | 80 | 200822 (ROS 4/x-10)      | 88 |
| 105240 (BZS 1655v)       | 58 | 200035 (ROS-I 3201/S)      | 73 | 200263 (ROSP 6VZ/S)          | 80 | 200823 (ROS 4/x-10/S)    | 88 |
| 105241 (BZS 3235v)       | 58 | 200036 (ROS-I 1600)        | 73 | 200264 (ROSP 1632)           | 80 | 200824 (ROS 4/x-52)      | 88 |
| 105242 (BZS 3245v)       | 58 | 200037 (ROS-I 1600/S)      | 73 | 200265 (ROSP 1632/S)         | 80 | 200825 (ROS 4/x-52/S)    | 88 |
| 105243 (BZS 3255v)       | 58 | 200038 (ROS-I 1602)        | 73 | 200266 (ROSP 3232)           | 80 | 200826 (ROS 4/x-50)      | 88 |
| 105310 (BZG 1631v)       | 60 | 200039 (ROS-I 1602/S)      | 73 | 200267 (ROSP 3232/S)         | 80 | 200827 (ROS 4/x-50/S)    | 88 |
| 105311 (BZG 1641v)       | 60 | 200040 (ROS-I 3200)        | 73 | 200268 (ROSP 1631)           | 80 | 200840 (ROS 4/V-12 LP)   | 89 |
| 105312 (BZG 1651v)       | 60 | 200041 (ROS-I 3200/S)      | 73 | 200269 (ROSP 1631/S)         | 80 | 200841 (ROS 4/V-12 LP/S) | 89 |
| 105313 (BZG 3231v)       | 60 | 200060 (ROS-I 1601 A)      | 74 | 200270 (ROSP 3231)           | 80 | 200842 (ROS 4/V-10 LP)   | 89 |
| 105314 (BZG 3241v)       | 60 | 200061 (ROS-I 1601 A/S)    | 74 | 200271 (ROSP 3231/S)         | 80 | 200843 (ROS 4/V-10 LP/S) | 89 |
| 105315 (BZG 3251v)       | 60 | 200062 (ROS-I 1603 A)      | 74 | 200272 (ROSP 1630)           | 80 | 200844 (ROS 4/V-52 LP)   | 89 |
| 105316 (BZG 1632v)       | 60 | 200063 (ROS-I 1603 A/S)    | 74 | 200273 (ROSP 1630/S)         | 80 | 200845 (ROS 4/V-52 LP/S) | 89 |
| 105317 (BZG 1642v)       | 60 | 200064 (ROS-I 3201 A)      | 74 | 200274 (ROSP 3230)           | 80 | 200846 (ROS 4/V-50 LP)   | 89 |
| 105318 (BZG 1652v)       | 60 | 200065 (ROS-I 3201 A/S)    | 74 | 200275 (ROSP 3230/S)         | 80 | 200847 (ROS 4/V-50 LP/S) | 89 |
| 105319 (BZG 3232v)       | 60 | 200066 (ROS-I 1600 A)      | 74 | 200290 (ROSPG 1631)          | 81 | 200860 (ROS 4/V-12)      | 89 |
| 105320 (BZG 3242v)       | 60 | 200067 (ROS-I 1600 A/S)    | 74 | 200291 (ROSPG 1631/S)        | 81 | 200861 (ROS 4/V-12/S)    | 89 |
| 105321 (BZG 3252v)       | 60 | 200068 (ROS-I 1602 A)      | 74 | 200292 (ROSPG 3231)          | 81 | 200862 (ROS 4/V-10)      | 89 |
| 105323 (BZG 1643v)       | 60 | 200069 (ROS-I 1602 A/S)    | 74 | 200293 (ROSPG 3231/S)        | 81 | 200863 (ROS 4/V-10/S)    | 89 |
| 105324 (BZG 1653v)       | 60 | 200070 (ROS-I 3200 A)      | 74 | 200294 (ROSPG 1630)          | 81 | 200864 (ROS 4/V-52)      | 89 |
| 105326 (BZG 3243v)       | 60 | 200071 (ROS-I 3200 A/S)    | 74 | 200295 (ROSPG 1630/S)        | 81 | 200865 (ROS 4/V-52/S)    | 89 |
| 105327 (BZG 3253v)       | 60 | 200080 (ROS 1601)          | 75 | 200296 (ROSPG 3230)          | 81 | 200866 (ROS 4/V-50)      | 89 |
| 105328 (BZG 1635v)       | 60 | 200082 (ROS 1603)          | 75 | 200297 (ROSPG 3230/S)        | 81 | 200867 (ROS 4/V-50/S)    | 89 |
| 105329 (BZG 1645v)       | 60 | 200083 (ROS 1603/S)        | 75 | 200310 (ROSP 4VZ D)          | 82 | 201000 (ROS 5-6/FI-01)   | 90 |
| 105330 (BZG 1655v)       | 60 | 200084 (ROS 1605)          | 75 | 200311 (ROSP 4VZ D/S)        | 82 | 201001 (ROS 5-6/FI-01/S) | 90 |
| 105331 (BZG 3235v)       | 60 | 200085 (ROS 1605/S)        | 75 | 200312 (ROSP 6VZ D)          | 82 | 201002 (ROS 5-6/I-10)    | 90 |
| 105332 (BZG 3245v)       | 60 | 200086 (ROS 1607)          | 75 | 200313 (ROSP 6VZ D/S)        | 82 | 201003 (ROS 5-6/I-10/S)  | 90 |
| 105333 (BZG 3255v)       | 60 | 200087 (ROS 1607/S)        | 75 | 200314 (ROSP 1632 D)         | 82 | 201004 (ROS 5-6/I-11)    | 90 |
| 105400 (BZG 6331v)       | 60 | 200088 (ROS 3201)          | 75 | 200315 (ROSP 1632 D/S)       | 82 | 201005 (ROS 5-6/I-11/S)  | 90 |
| 105401 (BZG 6341v)       | 60 | 200090 (ROS 1600)          | 75 | 200316 (ROSP 3232 D)         | 82 | 201006 (ROS 5-6/I-12)    | 90 |
| 105402 (BZG 6351v)       | 60 | 200092 (ROS 1602)          | 75 | 200317 (ROSP 3232 D/S)       | 82 | 201007 (ROS 5-6/I-12/S)  | 90 |
| 105403 (BZG 6332v)       | 60 | 200093 (ROS 1602/S)        | 75 | 200318 (ROSP 1631 D)         | 82 | 201008 (ROS 5-6/I-13)    | 90 |
| 105404 (BZG 6342v)       | 60 | 200094 (ROS 1604)          | 75 | 200319 (ROSP 1631 D/S)       | 82 | 201009 (ROS 5-6/I-13/S)  | 90 |
| 105405 (BZG 6352v)       | 60 | 200095 (ROS 1604/S)        | 75 | 200320 (ROSP 3231 D)         | 82 | 201010 (ROS 5-6/I-14)    | 90 |
| 105406 (BZG 6333v)       | 60 | 200096 (ROS 3200)          | 75 | 200321 (ROSP 3231 D/S)       | 82 | 201011 (ROS 5-6/I-14/S)  | 90 |
| 105407 (BZG 6343v)       | 60 | 200120 (ROS-FI 1600 D/C)   | 76 | 200322 (ROSP 1630 D)         | 82 | 201012 (ROS 5-6/I-15)    | 90 |
| 105408 (BZG 6353v)       | 60 | 200121 (ROS-FI 1600 D/C/S) | 76 | 200323 (ROSP 1630 D/S)       | 82 | 201013 (ROS 5-6/I-15/S)  | 90 |
| 105409 (BZG 6335v)       | 60 | 200122 (ROS-FI 1603 D)     | 76 | 200324 (ROSP 3230 D)         | 82 | 201014 (ROS 5-6/I-16)    | 90 |
| 105410 (BZG 6345v)       | 60 | 200123 (ROS-FI 1603 D/S)   | 76 | 200325 (ROSP 3230 D/S)       | 82 | 201015 (ROS 5-6/I-16/S)  | 90 |
| 105411 (BZG 6355v)       | 60 | 200124 (ROS-FI 3203 D)     | 76 | 200340 (ROSPG 1631 D)        | 83 | 201016 (ROS 5-6/I-50)    | 91 |
| 105450 (BZG 12531v)      | 60 | 200125 (ROS-FI 3203 D/S)   | 76 | 200341 (ROSPG 1631 D/S)      | 83 | 201017 (ROS 5-6/I-50/S)  | 91 |
| 105451 (BZG 12541v)      | 60 | 200126 (ROS-FI 1602 D/C)   | 76 | 200342 (ROSPG 3231 D)        | 83 | 201018 (ROS 5-6/I-51)    | 91 |
| 105452 (BZG 12551v)      | 60 | 200127 (ROS-FI 1602 D/C/S) | 76 | 200343 (ROSPG 3231 D/S)      | 83 | 201019 (ROS 5-6/I-51/S)  | 91 |
| 105453 (BZG 12532v)      | 60 | 200128 (ROS-FI 3202 D/C)   | 76 | 200344 (ROSPG 1630 D)        | 83 | 201020 (ROS 5-6/I-52)    | 91 |
| 105454 (BZG 12542v)      | 60 | 200129 (ROS-FI 3202 D/C/S) | 76 | 200345 (ROSPG 1630 D/S)      | 83 | 201021 (ROS 5-6/I-52/S)  | 91 |
| 105455 (BZG 12552v)      | 60 | 200140 (ROS-FI 1600 D/A)   | 76 | 200346 (ROSPG 3230 D)        | 83 | 201022 (ROS 5-6/I-53)    | 91 |
| 105457 (BZG 12543v)      | 60 | 200141 (ROS-FI 1600 D/A/S) | 76 | 200347 (ROSPG 3230 D/S)      | 83 | 201023 (ROS 5-6/I-53/S)  | 91 |
| 105458 (BZG 12553v)      | 60 | 200160 (ROS-I 1601 D)      | 77 | 200360 (VZS 165)             | 84 | 201024 (ROS 5-6/I-54)    | 91 |
| 105459 (BZG 12535v)      | 60 | 200161 (ROS-I 1601 D/S)    | 77 | 200361 (VZS 165/S)           | 84 | 201025 (ROS 5-6/I-54/S)  | 91 |
| 105460 (BZG 12545v)      | 60 | 200162 (ROS-I 1603 D)      | 77 | 200362 (VZS 325)             | 84 | 201026 (ROS 5-6/I-55)    | 91 |
| 105461 (BZG 12555v)      | 60 | 200163 (ROS-I 1603 D/S)    | 77 | 200363 (VZS 325/S)           | 84 | 201027 (ROS 5-6/I-55/S)  | 91 |
| 105700 (ND 105-0757)     | 62 | 200164 (ROS-I 3201 D)      | 77 | 200364 (VZS 164)             | 84 | 201028 (ROS 5-6/I-56)    | 91 |
| 105701 (ND 16CPG1)       | 62 | 200165 (ROS-I 3201 D/S)    | 77 | 200365 (VZS 164/S)           | 84 | 201029 (ROS 5-6/I-56/S)  | 91 |
| 105702 (ND 16CPG2)       | 62 | 200166 (ROS-I 1600 D)      | 77 | 200366 (VZS 324)             | 84 | 201040 (ROS 5-6/x-01)    | 92 |
| 105703 (ND 32CPG1)       | 62 | 200167 (ROS-I 1600 D/S)    | 77 | 200367 (VZS 324/S)           | 84 | 201042 (ROS 5-6/x-10)    | 92 |
| 105704 (ND 32CPG2)       | 62 | 200168 (ROS-I 1602 D)      | 77 | 200380 (VPS 1653)            | 85 | 201043 (ROS 5-6/x-10/S)  | 92 |
| 105705 (ND 63CPG1)       | 62 | 200169 (ROS-I 1602 D/S)    | 77 | 200382 (VPS 3253)            | 85 | 201044 (ROS 5-6/x-12)    | 92 |
| 105706 (ND 125CPG1)      | 62 | 200170 (ROS-I 3200 D)      | 77 | 200400 (ROP 1653-VZ)         | 86 | 201045 (ROS 5-6/x-12/S)  | 92 |
| 105720 (KV 1632)         | 62 | 200171 (ROS-I 3200 D/S)    | 77 | 200401 (ROP 1653-VZ/S)       | 86 | 201046 (ROS 5-6/x-14)    | 92 |
| 105721 (KV 1643)         | 62 | 200190 (ROS-I 1601 D/A)    | 78 | 200402 (ROP 1653-2xVZ)       | 86 | 201047 (ROS 5-6/x-14/S)  | 92 |
| 105722 (KV 1653)         | 62 | 200191 (ROS-I 1601 D/A/S)  | 78 | 200403 (ROP 1653-2xVZ/S)     | 86 | 201048 (ROS 5-6/x-15)    | 92 |
| 105723 (KV 3243)         | 62 | 200192 (ROS-I 1603 D/A)    | 78 | 200404 (ROP 1653-3xVZ)       | 86 | 201049 (ROS 5-6/x-15/S)  | 92 |
| 105724 (KV 3253)         | 62 | 200193 (ROS-I 1603 D/A/S)  | 78 | 200405 (ROP 1653-3xVZ/S)     | 86 | 201050 (ROS 5-6/x-16)    | 92 |
| 105730 (ND 16CZG1)       | 62 | 200194 (ROS-I 3201 D/A)    | 78 | 200406 (ROP 1653)            | 86 | 201051 (ROS 5-6/x-16/S)  | 92 |
| 105731 (ND 32CZG1)       | 62 | 200195 (ROS-I 3201 D/A/S)  | 78 | 200408 (ROP 3253)            | 86 | 201052 (ROS 5-6/x-17)    | 92 |
| 105732 (ND 63CZG1)       | 62 | 200196 (ROS-I 1600 D/A)    | 78 | 200410 (ROP 1643)            | 86 | 201053 (ROS 5-6/x-17/S)  | 92 |
| 105760 (ND 105-2177)     | 62 | 200197 (ROS-I 1600 D/A/S)  | 78 | 200412 (ROP 3243)            | 86 | 201054 (ROS 5-6/x-18)    | 92 |
| 105761 (ND 105-2677)     | 63 | 200198 (ROS-I 1602 D/A)    | 78 | 200416 (ROP 1653-VZ/IVN)     | 87 | 201055 (ROS 5-6/x-18/S)  | 92 |
| 105770 (ND 143-0245)     | 63 | 200199 (ROS-I 1602 D/A/S)  | 78 | 200417 (ROP 1653-VZ/S/IVN)   | 87 | 201056 (ROS 5-6/x-41)    | 93 |
| 105780 (SPg 16)          | 63 | 200200 (ROS-I 3200 D/A)    | 78 | 200418 (ROP 1653-2xVZ/IVN)   | 87 | 201058 (ROS 5-6/x-50)    | 93 |
| 105790 (PR 10)           | 63 | 200201 (ROS-I 3200 D/A/S)  | 78 | 200419 (ROP 1653-2xVZ/S/IVN) | 87 | 201059 (ROS 5-6/x-50/S)  | 93 |
| 200000 (ROS-FI 1600/C)   | 72 | 200220 (ROS 1601 D)        | 79 | 200420 (ROP 1653-3xVZ/IVN)   | 87 | 201060 (ROS 5-6/x-52)    | 93 |
| 200001 (ROS-FI 1600/C/S) | 72 | 200222 (ROS 1603 D)        | 79 | 200421 (ROP 1653-3xVZ/S/IVN) | 87 | 201061 (ROS 5-6/x-52/S)  | 93 |
| 200002 (ROS-FI 1603)     | 72 | 200223 (ROS 1603 D/S)      | 79 | 200422 (ROP 1653/IVN)        | 87 | 201062 (ROS 5-6/x-54)    | 93 |
| 200003 (ROS-FI 1603/S)   | 72 | 200224 (ROS 1605 D)        | 79 | 200424 (ROP 3253/IVN)        | 87 | 201063 (ROS 5-6/x-54/S)  | 93 |

|                          |     |                             |     |                          |     |                             |     |
|--------------------------|-----|-----------------------------|-----|--------------------------|-----|-----------------------------|-----|
| 201064 (ROS 5-6/x-55)    | 93  | 202066 (ROS 11/I-13)        | 101 | 202182 (ROS 11/x-23)     | 105 | 203088 (ROS 16/FI-215)      | 108 |
| 201065 (ROS 5-6/x-55/S)  | 93  | 202067 (ROS 11/I-13/S)      | 101 | 202183 (ROS 11/x-23/S)   | 105 | 203089 (ROS 16/FI-215/S)    | 108 |
| 201080 (ROS M6/I-02)     | 94  | 202068 (ROS 11/I-14)        | 101 | 202184 (ROS 11/x-25)     | 105 | 203090 (ROS 16/I-215)       | 108 |
| 201081 (ROS M6/I-02/S)   | 94  | 202069 (ROS 11/I-14/S)      | 101 | 202185 (ROS 11/x-25/S)   | 105 | 203091 (ROS 16/I-215/S)     | 108 |
| 201082 (ROS M6/I-03)     | 94  | 202070 (ROS 11/I-15)        | 101 | 202186 (ROS 11/x-41)     | 105 | 203092 (ROS 16/x-215)       | 108 |
| 201083 (ROS M6/I-03/S)   | 94  | 202071 (ROS 11/I-15/S)      | 101 | 202188 (ROS 11/x-43)     | 105 | 203093 (ROS 16/x-215/S)     | 108 |
| 201090 (ROS M6/I-01)     | 94  | 202072 (ROS 11/I-16)        | 101 | 202190 (ROS 11/x-45)     | 105 | 203094 (ROS 16/FI-221)      | 108 |
| 201100 (ROS M6/x-02)     | 95  | 202073 (ROS 11/I-16/S)      | 101 | 202192 (ROS 11/x-51)     | 106 | 203095 (ROS 16/FI-221/S)    | 108 |
| 201101 (ROS M6/x-02/S)   | 95  | 202074 (ROS 11/I-17)        | 101 | 202193 (ROS 11/x-51/S)   | 106 | 203096 (ROS 16/I-221)       | 108 |
| 201102 (ROS M6/x-03)     | 95  | 202075 (ROS 11/I-17/S)      | 101 | 202194 (ROS 11/x-54)     | 106 | 203097 (ROS 16/I-221/S)     | 108 |
| 201103 (ROS M6/x-03/S)   | 95  | 202076 (ROS 11/I-21)        | 101 | 202195 (ROS 11/x-54/S)   | 106 | 203098 (ROS 16/x-221)       | 108 |
| 201110 (ROS M6/x-01)     | 95  | 202077 (ROS 11/I-21/S)      | 101 | 202196 (ROS 11/x-61)     | 106 | 203099 (ROS 16/x-221/S)     | 108 |
| 201500 (ROS 7/I-02)      | 96  | 202078 (ROS 11/I-22)        | 101 | 202197 (ROS 11/x-61/S)   | 106 | 203100 (ROS 16/FI-225)      | 108 |
| 201501 (ROS 7/I-02/S)    | 96  | 202079 (ROS 11/I-22/S)      | 101 | 202198 (ROS 11/x-62)     | 106 | 203101 (ROS 16/FI-225/S)    | 108 |
| 201502 (ROS 7/I-04)      | 96  | 202080 (ROS 11/I-23)        | 102 | 202199 (ROS 11/x-62/S)   | 106 | 203102 (ROS 16/I-225)       | 108 |
| 201503 (ROS 7/I-04/S)    | 96  | 202081 (ROS 11/I-23/S)      | 102 | 203000 (ROS 16/FI-103)   | 107 | 203103 (ROS 16/I-225/S)     | 108 |
| 201504 (ROS 7/I-42)      | 96  | 202082 (ROS 11/I-25)        | 102 | 203001 (ROS 16/FI-103/S) | 107 | 203104 (ROS 16/x-225)       | 108 |
| 201505 (ROS 7/I-42/S)    | 96  | 202083 (ROS 11/I-25/S)      | 102 | 203002 (ROS 16/I-103)    | 107 | 203105 (ROS 16/x-225/S)     | 108 |
| 201506 (ROS 7/I-44)      | 96  | 202084 (ROS 11/I-26)        | 102 | 203003 (ROS 16/I-103/S)  | 107 | 203130 (ROS 16/FI-304)      | 109 |
| 201507 (ROS 7/I-44/S)    | 96  | 202085 (ROS 11/I-26/S)      | 102 | 203004 (ROS 16/x-103)    | 107 | 203131 (ROS 16/FI-304/S)    | 109 |
| 201520 (ROS 7/x-02)      | 96  | 202086 (ROS 11/I-632)       | 102 | 203006 (ROS 16/FI-104)   | 107 | 203132 (ROS 16/I-304)       | 109 |
| 201521 (ROS 7/x-02/S)    | 96  | 202087 (ROS 11/I-632/S)     | 102 | 203007 (ROS 16/FI-104/S) | 107 | 203133 (ROS 16/I-304/S)     | 109 |
| 201522 (ROS 7/x-42)      | 96  | 202088 (ROS 11/I-32/24 V)   | 102 | 203008 (ROS 16/I-104)    | 107 | 203134 (ROS 16/x-304)       | 109 |
| 201533 (ROS 7/x-42/S)    | 96  | 202089 (ROS 11/I-32/24 V/S) | 102 | 203009 (ROS 16/I-104/S)  | 107 | 203135 (ROS 16/x-304/S)     | 109 |
| 201540 (ROS 7/I-01)      | 97  | 202090 (ROS 11/I-41)        | 102 | 203010 (ROS 16/x-104)    | 107 | 203150 (ROS 16/FI-412)      | 109 |
| 201541 (ROS 7/I-01/S)    | 97  | 202092 (ROS 11/I-51)        | 102 | 203011 (ROS 16/x-104/S)  | 107 | 203151 (ROS 16/FI-412/S)    | 109 |
| 201542 (ROS 7/I-03)      | 97  | 202093 (ROS 11/I-51/S)      | 102 | 203012 (ROS 16/FI-108)   | 107 | 203152 (ROS 16/I-412)       | 109 |
| 201543 (ROS 7/I-03/S)    | 97  | 202094 (ROS 11/I-52)        | 102 | 203013 (ROS 16/FI-108/S) | 107 | 203153 (ROS 16/FI-412/S)    | 109 |
| 201544 (ROS 7/I-11)      | 97  | 202095 (ROS 11/I-52/S)      | 102 | 203014 (ROS 16/I-108)    | 107 | 203154 (ROS 16/x-412)       | 109 |
| 201545 (ROS 7/I-11/S)    | 97  | 202096 (ROS 11/I-53)        | 102 | 203015 (ROS 16/I-108/S)  | 107 | 203155 (ROS 16/x-412/S)     | 109 |
| 201546 (ROS 7/I-41)      | 97  | 202097 (ROS 11/I-53/S)      | 102 | 203016 (ROS 16/x-108)    | 107 | 203156 (ROS 16/FI-411)      | 109 |
| 201547 (ROS 7/I-41/S)    | 97  | 202098 (ROS 11/I-54)        | 102 | 203017 (ROS 16/x-108/S)  | 107 | 203157 (ROSG 16/FI-411/S)   | 109 |
| 201548 (ROS 7/I-43)      | 97  | 202099 (ROS 11/I-54/S)      | 102 | 203018 (ROS 16/FI-111)   | 107 | 203158 (ROSG 16/I-411)      | 109 |
| 201549 (ROS 7/I-43/S)    | 97  | 202100 (ROS 11/I-55)        | 102 | 203019 (ROS 16/FI-111/S) | 107 | 203159 (ROSG 16/I-411/S)    | 109 |
| 201550 (ROS 7/I-51)      | 97  | 202101 (ROS 11/I-55/S)      | 102 | 203020 (ROS 16/I-111)    | 107 | 203160 (ROSG 16/x-411)      | 109 |
| 201551 (ROS 7/I-51/S)    | 97  | 202102 (ROS 11/I-56)        | 103 | 203021 (ROS 16/I-111/S)  | 107 | 203161 (ROSG 16/x-411/S)    | 109 |
| 201570 (ROS 7/x-01)      | 98  | 202103 (ROS 11/I-56/S)      | 103 | 203022 (ROS 16/x-111)    | 107 | 203180 (ROS 16/FI-516)      | 109 |
| 201571 (ROS 7/x-01/S)    | 98  | 202104 (ROS 11/I-57)        | 103 | 203023 (ROS 16/x-111/S)  | 107 | 203181 (ROS 16/FI-516/S)    | 109 |
| 201572 (ROS 7/x-41)      | 98  | 202105 (ROS 11/I-57/S)      | 103 | 203024 (ROS 16/FI-112)   | 107 | 203182 (ROS 16/I-516)       | 109 |
| 201573 (ROS 7/x-41/S)    | 98  | 202106 (ROS 11/I-65)        | 103 | 203025 (ROS 16/FI-112/S) | 107 | 203183 (ROS 16/I-516/S)     | 109 |
| 202000 (ROS 11/FI-01)    | 99  | 202107 (ROS 11/I-65/S)      | 103 | 203026 (ROS 16/I-112)    | 107 | 203184 (ROS 16/x-516)       | 109 |
| 202002 (ROS 11/FI-03)    | 99  | 202108 (ROS 11/I-66)        | 103 | 203027 (ROS 16/I-112/S)  | 107 | 203185 (ROS 16/x-516/S)     | 109 |
| 202004 (ROS 11/FI-05)    | 99  | 202109 (ROS 11/I-66/S)      | 103 | 203028 (ROS 16/x-112)    | 107 | 203186 (ROSG 16/FI-506)     | 109 |
| 202006 (ROS 11/FI-11)    | 99  | 202110 (ROS 11/I-64)        | 103 | 203029 (ROS 16/x-112/S)  | 107 | 203187 (ROSG 16/FI-506/S)   | 109 |
| 202007 (ROS 11/FI-11/S)  | 99  | 202111 (ROS 11/I-64/S)      | 103 | 203030 (ROS 16/FI-117)   | 107 | 203188 (ROSG 16/I-506)      | 109 |
| 202008 (ROS 11/FI-12)    | 99  | 202112 (ROS 11/I-67)        | 103 | 203031 (ROS 16/FI-117/S) | 107 | 203189 (ROSG 16/I-506/S)    | 109 |
| 202009 (ROS 11/FI-12/S)  | 99  | 202113 (ROS 11/I-67/S)      | 103 | 203032 (ROS 16/I-117)    | 107 | 203190 (ROSG 16/x-506)      | 109 |
| 202010 (ROS 11/FI-14)    | 99  | 202114 (ROS 11/I-69)        | 103 | 203033 (ROS 16/I-117/S)  | 107 | 203191 (ROSG 16/x-506/S)    | 109 |
| 202011 (ROS 11/FI-14/S)  | 99  | 202115 (ROS 11/I-69/S)      | 103 | 203034 (ROS 16/x-117)    | 107 | 203200 (ROS 16/FI-603)      | 109 |
| 202012 (ROS 11/FI-15)    | 99  | 202116 (ROS 11/I-68)        | 103 | 203035 (ROS 16/x-117/S)  | 107 | 203201 (ROS 16/FI-603/S)    | 109 |
| 202013 (ROS 11/FI-15/S)  | 99  | 202117 (ROS 11/I-68/S)      | 103 | 203036 (ROS 16/FI-123)   | 107 | 203202 (ROS 16/I-603)       | 109 |
| 202014 (ROS 11/FI-65)    | 99  | 202118 (ROS 11/I-61)        | 103 | 203037 (ROS 16/FI-123/S) | 107 | 203203 (ROS 16/I-603/S)     | 109 |
| 202015 (ROS 11/FI-65/S)  | 99  | 202119 (ROS 11/I-61/S)      | 103 | 203038 (ROS 16/I-123)    | 107 | 203204 (ROS 16/x-603)       | 109 |
| 202016 (ROS 11/FI-632)   | 99  | 202120 (ROS 11/I-62)        | 103 | 203039 (ROS 16/I-123/S)  | 107 | 203205 (ROS 16/x-603/S)     | 109 |
| 202017 (ROS 11/FI-632/S) | 99  | 202121 (ROS 11/I-62/S)      | 103 | 203040 (ROS 16/x-123)    | 107 | 204000 (ROS 11S/FI-12)      | 110 |
| 202018 (ROS 11/FI-66)    | 99  | 202122 (ROS 11/I-63)        | 103 | 203041 (ROS 16/x-123/S)  | 107 | 204001 (ROS 11S/FI-12/S)    | 110 |
| 202019 (ROS 11/FI-66/S)  | 99  | 202123 (ROS 11/I-63/S)      | 103 | 203042 (ROS 16/FI-128)   | 108 | 204002 (ROS 11S/FI-14)      | 110 |
| 202020 (ROS 11/FI-64)    | 100 | 202150 (ROS 11/x-01)        | 104 | 203043 (ROS 16/FI-128/S) | 108 | 204003 (ROS 11S/FI-14/S)    | 110 |
| 202021 (ROS 11/FI-64/S)  | 100 | 202152 (ROS 11/x-03)        | 104 | 203044 (ROS 16/I-128)    | 108 | 204004 (ROS 11S/FI-21)      | 110 |
| 202022 (ROS 11/FI-26)    | 100 | 202154 (ROS 11/x-05)        | 104 | 203045 (ROS 16/I-128/S)  | 108 | 204005 (ROS 11S/FI-21/S)    | 110 |
| 202023 (ROS 11/FI-26/S)  | 100 | 202156 (ROS 11/x-11)        | 104 | 203046 (ROS 16/x-128)    | 108 | 204020 (ROS 11S/FI-12/P)    | 111 |
| 202024 (ROS 11/FI-31)    | 100 | 202157 (ROS 11/x-11/S)      | 104 | 203047 (ROS 16/x-128/S)  | 108 | 204021 (ROS 11S/FI-12/P/S)  | 111 |
| 202025 (ROS 11/FI-31/S)  | 100 | 202158 (ROS 11/x-14)        | 104 | 203048 (ROS 16/FI-134)   | 108 | 204022 (ROS 11S/FI-14/P)    | 111 |
| 202026 (ROS 11/FI-67)    | 100 | 202159 (ROS 11/x-14/S)      | 104 | 203049 (ROS 16/FI-134/S) | 108 | 204023 (ROS 11S/FI-14/P/S)  | 111 |
| 202027 (ROS 11/FI-67/S)  | 100 | 202160 (ROS 11/x-65)        | 104 | 203050 (ROS 16/I-134)    | 108 | 204024 (ROS 11S/FI-21/P)    | 111 |
| 202028 (ROS 11/FI-69)    | 100 | 202161 (ROS 11/x-65/S)      | 104 | 203051 (ROS 16/I-134/S)  | 108 | 204025 (ROS 11S/FI-21/P/S)  | 111 |
| 202029 (ROS 11/FI-69/S)  | 100 | 202162 (ROS 11/x-632)       | 104 | 203052 (ROS 16/x-134)    | 108 | 204040 (ROS 12SD/FI-21/P)   | 112 |
| 202030 (ROS 11/FI-68)    | 100 | 202163 (ROS 11/x-632/S)     | 104 | 203053 (ROS 16/x-134/S)  | 108 | 204041 (ROS 12SD/FI-21/P/S) | 112 |
| 202031 (ROS 11/FI-68/S)  | 100 | 202164 (ROS 11/x-66)        | 104 | 203070 (ROS 16/FI-203)   | 108 | 204042 (ROS 12SD/FI-27/P)   | 112 |
| 202032 (ROS 11/FI-70)    | 100 | 202165 (ROS 11/x-66/S)      | 104 | 203071 (ROS 16/FI-203/S) | 108 | 204043 (ROS 12SD/FI-27/P/S) | 112 |
| 202033 (ROS 11/FI-70/S)  | 100 | 202166 (ROS 11/x-64)        | 104 | 203072 (ROS 16/I-203)    | 108 | 204044 (ROS 12SD/FI-23/P)   | 112 |
| 202034 (ROS 11/FI-21)    | 100 | 202167 (ROS 11/x-64/S)      | 104 | 203073 (ROS 16/I-203/S)  | 108 | 204045 (ROS 12SD/23/P/S)    | 112 |
| 202035 (ROS 11/FI-21/S)  | 100 | 202168 (ROS 11/x-32/24 V)   | 105 | 203074 (ROS 16/x-203)    | 108 | 204046 (ROS 12SD/24/PR)     | 112 |
| 202036 (ROS 11/FI-22)    | 100 | 202169 (ROS 11/x-32/24 V/S) | 105 | 203075 (ROS 16/x-203/S)  | 108 | 204047 (ROS 12SD/24/PR/S)   | 112 |
| 202037 (ROS 11/FI-22/S)  | 100 | 202170 (ROS 11/x-67)        | 105 | 203076 (ROS 16/FI-206)   | 108 | 204060 (ROS 16S/FI-425)     | 113 |
| 202038 (ROS 11/FI-23)    | 100 | 202171 (ROS 11/x-67/S)      | 105 | 203077 (ROS 16/FI-206/S) | 108 | 204061 (ROS 16S/FI-425/S)   | 113 |
| 202039 (ROS 11/FI-23/S)  | 100 | 202172 (ROS 11/x-68)        | 105 | 203078 (ROS 16/I-206)    | 108 | 204062 (ROSG 16S/FI-412)    | 113 |
| 202040 (ROS 11/FI-24)    | 100 | 202173 (ROS 11/x-68/S)      | 105 | 203079 (ROS 16/I-206/S)  | 108 | 204063 (ROSG 16S/FI-412/S)  | 113 |
| 202041 (ROS 11/FI-24/S)  | 100 | 202174 (ROS 11/x-70)        | 105 | 203080 (ROS 16/x-206)    | 108 | 204070 (ROS 16S/FI-506)     | 113 |
| 202042 (ROS 11/FI-25)    | 100 | 202175 (ROS 11/x-70/S)      | 105 | 203081 (ROS 16/x-206/S)  | 108 | 204071 (ROS 16S/FI-506/S)   | 113 |
| 202043 (ROS 11/FI-25/S)  | 100 | 202176 (ROS 11/x-69)        | 105 | 203082 (ROS 16/FI-209)   | 108 | 204072 (ROSG 16S/FI-506)    | 113 |
| 202060 (ROS 11/I-01)     | 101 | 202177 (ROS 11/x-69/S)      | 105 | 203083 (ROS 16/FI-209/S) | 108 | 204073 (ROSG 16S/FI-506/S)  | 113 |
| 202062 (ROS 11/I-11)     | 101 | 202178 (ROS 11/x-21)        | 105 | 203084 (ROS 16/I-209)    | 108 | 204080 (ROS 16S/FI-601)     | 113 |
| 202063 (ROS 11/I-11/S)   | 101 | 202179 (ROS 11/x-21/S)      | 105 | 203085 (ROS 16/I-209/S)  | 108 | 204081 (ROS 16S/FI-601/S)   | 113 |
| 202064 (ROS 11/I-12)     | 101 | 202180 (ROS 11/x-22)        | 105 | 203086 (ROS 16/x-209)    | 108 | 204082 (ROSG 16S/FI-601)    | 113 |
| 202065 (ROS 11/I-12/S)   | 101 | 202181 (ROS 11/x-22/S)      | 105 | 203087 (ROS 16/x-209/S)  | 108 | 204083 (ROSG 16S/FI-601/S)  | 113 |

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|---------------------------|-----|------------------------------------|-----|------------------------------|-----|----------------------|-----|
| 204100 (ROS 12S/FI-01)    | 114 | 300132 (P 25/5)                    | 127 | 400033 (6455-26P/5BM)        | 140 | 400708 (Pp/t-9)      | 150 |
| 204101 (ROS 12S/FI-01/S)  | 114 | 300190 (RSD 88)                    | 127 | 400034 (6455-11 5.P/2)       | 140 | 400720 (PZO)         | 150 |
| 204102 (ROS 12S/FI-02)    | 114 | 300200 (TS 35/010/0)               | 129 | ACIDUR 3/BS)                 |     | 400840 (Pg 7)        | 152 |
| 204103 (ROS 12S/FI-02/S)  | 114 | 300202 (TS 35/020/0)               | 129 | 400035 (6455-11 5.P/5)       | 140 | 400841 (Pg 9)        | 152 |
| 204104 (ROS 12S/FI-03)    | 114 | 300205 (TS 35/030/0)               | 129 | ACIDUR 3/BS)                 |     | 400842 (Pg 11)       | 152 |
| 204105 (ROS 12S/FI-03/S)  | 114 | 300206 (TS 35/040/0)               | 129 | 400040 (6456-13)             | 141 | 400843 (Pg 13)       | 152 |
| 204120 (ROS 12SG/FI-04)   | 114 | 300207 (TS 35/050/0)               | 129 | 400100 (6400-201/3)          | 141 | 400844 (Pg 16)       | 152 |
| 204121 (ROS 12SG/FI-04/S) | 114 | 300208 (TS 35/060/0)               | 129 | 400101 (6400-211/3)          | 141 | 400845 (Pg 21)       | 152 |
| 204140 (ROS 24S/FI-01)    | 115 | 300209 (TS 35/070/0)               | 129 | 400102 (6400-221/3)          | 141 | 400846 (Pg 29)       | 152 |
| 204141 (ROS 24S/FI-01/S)  | 115 | 300210 (TS 35/080/0)               | 129 | 400110 (6400H-201/3)         | 141 | 400847 (Pg 36)       | 152 |
| 204142 (ROS 24S/FI-02)    | 115 | 300211 (TS 35/090/0)               | 129 | 400120 (6400-41)             | 141 | 400848 (Pg 42)       | 152 |
| 204143 (ROS 24S/FI-02/S)  | 115 | 300212 (TS 35/100/0)               | 129 | 400130 (6400-301)            | 142 | 400849 (Pg 48)       | 152 |
| 204160 (ROS 24SG/FI-03)   | 115 | 300213 (TS 35/110/0)               | 129 | 400140 (6400-10)             | 142 | 400900 (TV-M 12)     | 152 |
| 204161 (ROS 24SG/FI-03/S) | 115 | 300214 (TS 35/120/0)               | 129 | 400150 (V 081)               | 142 | 400901 (TV-M 16)     | 152 |
| 205000 (ROS 8/ZR)         | 116 | 300222 (TSP 35-SZP 35H7/1)         | 129 | 400151 (V 082)               | 142 | 400902 (TV-M 20)     | 152 |
| 205001 (ROS 4/ZR)         | 116 | 300229 (TSP 35-SZP 35H7/2)         | 129 | 400152 (V 120)               | 142 | 400903 (TV-M 25)     | 152 |
| 205002 (ROS /ZR)          | 116 | 300232 (TSP 35-SZP 35H15/1)        | 129 | 400200 (KUP 68H-201/3 LP SK) | 143 | 400904 (TV-M 32)     | 152 |
| 205003 (ROS 8/ZR/D)       | 116 | 300239 (TSP 35-SZP 35H15/2)        | 129 | 400201 (KUP 68H-221/3 LP SK) | 143 | 400905 (TV-M 40)     | 152 |
| 205004 (ROS 4/ZR/D)       | 116 | 300250 (7/Z)                       | 128 | 400211 (KUP 68 LP/SK)        | 143 | 400906 (TV-M 50)     | 152 |
| 205005 (ROS /ZR/D)        | 116 | 300251 (7/N)                       | 128 | 400212 (KUP 68 LP/2 SK)      | 143 | 400907 (TV-M 63)     | 152 |
| 205006 (ROS 5-6/Z)        | 116 | 300252 (7/C)                       | 128 | 400213 (KUP 68 LP/3 SK)      | 143 | 400920 (TVM-M 12)    | 153 |
| 205007 (ROS 7/Z)          | 116 | 300253 (7/Y)                       | 128 | 400214 (KUP 68 LP/4 SK)      | 144 | 400921 (TVM-M 16)    | 153 |
| 205008 (ROS 11/Z)         | 116 | 300254 (12/Z)                      | 128 | 400215 (KUP 68 LA/5)         | 144 | 400922 (TVM-M 20)    | 153 |
| 205009 (ROS 16/Z)         | 117 | 300255 (12/N)                      | 128 | 400250 (6303-13 P1/S)        | 144 | 400923 (TVM-M 25)    | 153 |
| 205010 (ROSG 16/Z)        | 117 | 300256 (12/C)                      | 128 | 400251 (6303-15 P/S)         | 144 | 400924 (TVM-M 32)    | 153 |
| 205011 (ROS 16/ZB)        | 117 | 300257 (12/Y)                      | 128 | 400253 (6304-15/S)           | 144 | 400925 (TVM-M 40)    | 153 |
| 205012 (ROSG 16/ZB)       | 117 | 300258 (15/Z)                      | 128 | 400300 (6410-10)             | 145 | 400926 (TVM-M 50)    | 153 |
| 205013 (ROS 16/ZC)        | 117 | 300259 (15/N)                      | 128 | 400301 (6410-20)             | 145 | 400927 (TVM-M 63)    | 153 |
| 205014 (ROSG 16/ZC)       | 117 | 300260 (15/C)                      | 128 | 400302 (6410-30)             | 145 | 400940 (UM-M 12/02)  | 153 |
| 205110 (ROS 11S)          | 118 | 300261 (15/Y)                      | 128 | 400310 (S-Box 036)           | 146 | 400941 (UM-M 16/02)  | 153 |
| 205111 (ROS 16S)          | 118 | 300300 (NS 154/100)                | 129 | 400350 (S-Box 106)           | 146 | 400942 (UM-M 20/02)  | 153 |
| 205112 (ROS 12S)          | 118 | 300400 (6336-10)                   | 130 | 400351 (S-Box 206)           | 146 | 400943 (UM-M 25/02)  | 153 |
| 205113 (ROS 24S)          | 118 | 300401 (6336-17)                   | 130 | 400352 (S-Box 306)           | 146 | 400944 (UM-M 32/02)  | 153 |
| 300000 (RS 2,5/0)         | 126 | 300402 (6336-20)                   | 130 | 400353 (S-Box 406)           | 146 | 400945 (UM-M 40/02)  | 153 |
| 300001 (RS 2,5/1)         | 126 | 300403 (6336-27)                   | 130 | 400354 (S-Box 506)           | 146 | 400946 (UM-M 50/02)  | 153 |
| 300002 (RS 2,5/2)         | 126 | 300404 (6336-30)                   | 130 | 400355 (S-Box 606)           | 146 | 400947 (UM-M 63/02)  | 153 |
| 300003 (RS 2,5/3)         | 126 | 300405 (6336-37)                   | 130 | 400356 (S-Box 706)           | 146 | 400960 (TP-M 12)     | 153 |
| 300004 (RS 2,5/4)         | 126 | 300406 (6336-50)                   | 130 | 400357 (S-Box 806)           | 146 | 400961 (TP-M 16)     | 153 |
| 300005 (RS 2,5/6)         | 126 | 300407 (6336-57)                   | 130 | 400360 (S-Box 116)           | 146 | 400962 (TP-M 20)     | 153 |
| 300006 (RS 2,5/7)         | 126 | 300408 (6336-60)                   | 130 | 400361 (S-Box 216)           | 146 | 400963 (TP-M 25)     | 153 |
| 300007 (RS 6/0)           | 126 | 300409 (6336-67)                   | 130 | 400362 (S-Box 316)           | 146 | 400964 (TP-M 32)     | 153 |
| 300008 (RS 6/1)           | 126 | 300410 (6336-70)                   | 130 | 400363 (S-Box 416)           | 146 | 400965 (TP-M 40)     | 153 |
| 300009 (RS 6/2)           | 126 | 300411 (6336-77)                   | 130 | 400364 (S-Box 516)           | 146 | 400966 (TP-M 50)     | 153 |
| 300010 (RS 6/3)           | 126 | 300430 (6110-06)                   | 130 | 400365 (S-Box 616)           | 146 | 400967 (TP-M 63)     | 153 |
| 300011 (RS 6/4)           | 126 | 300431 (6111-06)                   | 130 | 400366 (S-Box 716)           | 146 | 400980 (TZ-M 20)     | 151 |
| 300012 (RS 6/6)           | 126 | 300432 (6112-06)                   | 130 | 400367 (S-Box 816)           | 146 | 400981 (TZ-M 25)     | 151 |
| 300013 (RS 6/7)           | 126 | 300440 (6311-06)                   | 130 | 400400 (PO 105 5P/4)         | 147 | 400982 (TZ-M 32)     | 151 |
| 300014 (RS 10/0)          | 126 | 300441 (6311-07)                   | 130 | 400401 (PO 105 5P/10)        | 147 | 400983 (TZ-M 40)     | 151 |
| 300015 (RS 10/1)          | 126 | 300442 (6311-04)                   | 130 | 400402 (PO 105 3P/4)         | 147 | 401000 (SP 2,5)      | 151 |
| 300016 (RS 10/2)          | 126 | 300443 (6311-05)                   | 130 | 400403 (PO 105 4P/4)         | 147 | 401001 (SP 6)        | 151 |
| 300017 (RS 10/3)          | 126 | 300460 (6313-14MP)                 | 131 | 400404 (PO 105 3P/4F)        | 147 | 401010 (SP 35)       | 151 |
| 300018 (RS 10/4)          | 126 | 300461 (6314-14MP)                 | 131 | 400405 (PO 105 3P/10F)       | 147 | 401050 (6700-00/P)   | 154 |
| 300019 (RS 10/6)          | 126 | 300470 (6353-30)                   | 131 | 400406 (PO 105 3P/10)        | 147 | 401051 (6701-00/P)   | 154 |
| 300020 (RS 10/7)          | 126 | 300471 (6354-30)                   | 131 | 400410 (PO 125 6P/4)         | 147 | 401060 (6100-04)     | 154 |
| 300021 (RS 25/0)          | 126 | 300480 (SV 35)                     | 131 | 400411 (PO 125 6P/10)        | 147 | 401061 (6100-15)     | 154 |
| 300022 (RS 25/1)          | 126 | 300481 (SVK 35)                    | 131 | 400420 (PO 155 9P/4)         | 147 | 401070 (6100-44)     | 154 |
| 300023 (RS 25/2)          | 126 | 300490 (SV 95)                     | 131 | 400421 (PO 155 9P/10)        | 147 | 401100 (VPN 2-100)   | 155 |
| 300024 (RS 25/3)          | 126 | 300491 (SVK 95)                    | 131 | 400422 (PO 155 3P/10)        | 147 | 401101 (VPN 2-135)   | 155 |
| 300025 (RS 25/4)          | 126 | 300510 (HSV 35)                    | 132 | 400423 (PO 155 6P/10)        | 147 | 401102 (VPN 2-160)   | 155 |
| 300026 (RS 25/6)          | 126 | 300511 (HSV 35K)                   | 132 | 400500 (6480-10)             | 148 | 401103 (VPN 2-200)   | 155 |
| 300027 (RS 25/7)          | 126 | 300520 (HSV 95)                    | 132 | 400501 (6481-10)             | 148 | 401104 (VPN 4-140)   | 155 |
| 300028 (RS 50/0)          | 126 | 300521 (HSV 95K)                   | 132 | 400502 (6481-14)             | 148 | 401105 (VPN 4-200)   | 155 |
| 300029 (RS 50/1)          | 126 | 300530 (6323-95P)                  | 132 | 400510 (6482-10)             | 148 | 401106 (VPN 4-280)   | 155 |
| 300030 (RS 50/2)          | 126 | 300531 (6323-95PK)                 | 132 | 400511 (6482-11)             | 148 | 401107 (VPN 4-360)   | 155 |
| 300031 (RS 50/3)          | 126 | 300540 (ND SV 35)                  | 132 | 400512 (6482-14)             | 148 | 401108 (VPN 5-200)   | 155 |
| 300032 (RS 50/4)          | 126 | 300541 (ND SV 95)                  | 132 | 400520 (6483-11)             | 148 | 401109 (VPN 5-250)   | 155 |
| 300033 (RS 50/6)          | 126 | 300550 (ND HSV 35)                 | 133 | 400600 (6457-10)             | 149 | 401110 (VPN 5-280)   | 155 |
| 300034 (RS 50/7)          | 126 | 300551 (ND HSV 95)                 | 133 | 400601 (6457-11)             | 149 | 401111 (VPN 5-360)   | 155 |
| 300035 (RS 120/0)         | 126 | 300600 (EVP-S)                     | 133 | 400602 (6457-13)             | 149 | 401112 (VPN 5-380)   | 155 |
| 300036 (RS 120/1)         | 126 | 300601 (EVP-SK)                    | 133 | 400603 (6457-15)             | 149 | 401113 (VPN 5-430)   | 155 |
| 300037 (RS 120/2)         | 126 | 300610 (EVP2-S)                    | 133 | 400604 (6457-19)             | 149 | 401114 (VPN 8-200)   | 155 |
| 300038 (RS 120/3)         | 126 | 300611 (EVP2-SK)                   | 133 | 400605 (6457-19L)            | 149 | 401115 (VPN 8-280)   | 155 |
| 300039 (RS 120/4)         | 126 | 300620 (EVP-K)                     | 133 | 400606 (6457-20)             | 149 | 401116 (VPN 8-360)   | 155 |
| 300040 (RS 120/6)         | 126 | 400017 (6455-26P/2)                | 140 | 400607 (6457-21)             | 149 | 401117 (VPN 8-450)   | 155 |
| 300041 (RS 120/7)         | 126 | 400018 (6455-26P/5)                | 140 | 400608 (6457-22)             | 149 | 401118 (VPN 8-540)   | 155 |
| 300100 (PRS/2)            | 127 | 400019 (6455-26P/2BM)              | 140 | 400609 (6457-23)             | 149 | 401119 (VPN 8-710)   | 155 |
| 300101 (PRS/25/2)         | 127 | 400020 (6455-27P/2)                | 140 | 400620 (6457-14)             | 149 | 401121 (VPN 9-780)   | 155 |
| 300110 (P 6/2)            | 127 | 400021 (6455-27P/5)                | 140 | 400621 (6457-14S)            | 149 | 401122 (VPN 13-500)  | 155 |
| 300111 (P 10/2)           | 127 | 400022 (6455-11 5.P/2 ACIDUR 3)    | 140 | 400622 (6457-24)             | 149 | 401123 (VPN 13-730)  | 155 |
| 300112 (P 25/2)           | 127 | 400023 (6455-11 5.P/5 ACIDUR 3)    | 140 | 400623 (6457-24S)            | 149 | 401125 (VPN 13-1000) | 155 |
| 300113 (P 50/2)           | 127 | 400024 (6455-11 5.P/7 ACIDUR 3)    | 140 | 400700 (Pp/t-1)              | 150 | 401200 (VPB 2-100)   | 155 |
| 300120 (P 6/3)            | 127 | 400025 (6455-12 5.P/2 ACIDUR 3)    | 140 | 400701 (Pp/t-3)              | 150 | 401201 (VPB 2-135)   | 155 |
| 300121 (P 10/3)           | 127 | 400026 (6455-12 5.P/5 ACIDUR 3)    | 140 | 400702 (Pp/t-2)              | 150 | 401202 (VPB 2-160)   | 155 |
| 300122 (P 25/3)           | 127 | 400027 (6455-12 5.P/7 ACIDUR 3)    | 140 | 400703 (Pp/t-4)              | 150 | 401203 (VPB 2-200)   | 155 |
| 300123 (P 50/3)           | 127 | 400028 (6455-11 5.P/2 ACIDUR 3/BM) | 140 | 400704 (Pp/t-5)              | 150 | 401204 (VPB 4-140)   | 155 |
| 300124 (P 120/3)          | 127 | ACIDUR 3/BM)                       |     | 400705 (Pp/t-7)              | 150 | 401205 (VPB 4-200)   | 155 |
| 300130 (P 6/5)            | 127 | 400029 (6455-11 5.P/5 ACIDUR 3/BM) | 140 | 400706 (Pp/t-6)              | 150 | 401206 (VPB 4-280)   | 155 |
| 300131 (P 10/5)           | 127 |                                    |     | 400707 (Pp/t-8)              | 150 | 401207 (VPB 4-360)   | 155 |



|                      |     |                          |     |                          |     |                          |     |
|----------------------|-----|--------------------------|-----|--------------------------|-----|--------------------------|-----|
| 401208 (VPB 5-200)   | 155 | 500070 (K400/20)         | 165 | 500664 (7610-05/10/100)  | 166 | 501113 (7610-12/M 4FR)   | 170 |
| 401209 (VPB 5-250)   | 155 | 500080 (LK 6/50)         | 165 | 500665 (7610-06/05/100)  | 166 | 501114 (7610-12/M 5FR)   | 170 |
| 401210 (VPB 5-280)   | 155 | 500081 (LK 10/150)       | 165 | 500666 (7610-06/06/100)  | 166 | 501115 (7610-12/M 6FR)   | 170 |
| 401211 (VPB 5-360)   | 155 | 500090 (LKS-1,5)         | 165 | 500667 (7610-06/08/100)  | 166 | 501116 (7610-12/M 8FR)   | 170 |
| 401212 (VPB 5-380)   | 155 | 500091 (LKS-2,5)         | 165 | 500668 (7610-06/10/100)  | 166 | 501117 (7610-12/M 10FR)  | 170 |
| 401213 (VPB 5-430)   | 155 | 500092 (LKS-4)           | 165 | 500669 (7610-06/12/100)  | 166 | 501118 (7610-12/M 12FR)  | 170 |
| 401214 (VPB 8-200)   | 155 | 500093 (LKS-6)           | 165 | 500700 (7610-07/06/100)  | 166 | 501120 (7610-13/M 3FB)   | 170 |
| 401215 (VPB 8-280)   | 155 | 500094 (LKS-10)          | 165 | 500701 (7610-07/08/100)  | 166 | 501121 (7610-13/M 3,5FB) | 170 |
| 401216 (VPB 8-360)   | 155 | 500095 (LKS-16)          | 165 | 500702 (7610-07/10/100)  | 166 | 501122 (7610-13/M 4FB)   | 170 |
| 401217 (VPB 8-450)   | 155 | 500096 (LKS-25)          | 165 | 500703 (7610-07/12/100)  | 166 | 501123 (7610-13/M 5FB)   | 170 |
| 401218 (VPB 8-540)   | 155 | 500097 (LKS-35)          | 165 | 500704 (7610-08/08/50)   | 166 | 501124 (7610-13/M 6FB)   | 170 |
| 401219 (VPB 8-710)   | 155 | 500098 (LKS-50)          | 165 | 500705 (7610-08/10/50)   | 166 | 501125 (7610-13/M 8FB)   | 170 |
| 401221 (VPB 9-780)   | 155 | 500099 (LKS-70)          | 165 | 500706 (7610-08/12/50)   | 166 | 501126 (7610-13/M 10FB)  | 170 |
| 401222 (VPB 13-500)  | 155 | 500100 (LKS-95)          | 165 | 500707 (7610-09/08/25)   | 166 | 501127 (7610-13/M 12FB)  | 170 |
| 401223 (VPB 13-730)  | 155 | 500101 (LKS-120)         | 165 | 500708 (7610-09/10/25)   | 166 | 501128 (7610-15/M 3FG)   | 170 |
| 401225 (VPB 13-1000) | 155 | 500102 (LKS-150)         | 165 | 500709 (7610-09/12/25)   | 166 | 501129 (7610-15/M 3,5FG) | 170 |
| 401300 (USN 19-19)   | 156 | 500103 (LKS-185)         | 165 | 500710 (7610-10/10/25)   | 166 | 501130 (7610-15/M 4FG)   | 170 |
| 401301 (USN 29-29)   | 156 | 500104 (LKS-240)         | 165 | 500711 (7610-10/12/25)   | 166 | 501131 (7610-15/M 5FG)   | 170 |
| 401302 (USB 19-19)   | 156 | 500105 (LKS-300)         | 165 | 500712 (7610-11/10/10)   | 166 | 501132 (7610-15/M 6FG)   | 170 |
| 401303 (USB 29-29)   | 156 | 500106 (LKS-400)         | 165 | 500713 (7610-11/12/10)   | 166 | 501133 (7610-15/M 8FG)   | 170 |
| 401310 (UZB 9-43)    | 156 | 500120 (7580-07)         | 167 | 500714 (7610-12/10/10)   | 166 | 501134 (7610-15/M 10FG)  | 170 |
| 500000 (K1,5/4)      | 164 | 500121 (7580-08)         | 167 | 500715 (7610-12/12/10)   | 166 | 501135 (7610-15/M 12FG)  | 170 |
| 500001 (K1,5/5)      | 164 | 500122 (7580-09)         | 167 | 500716 (7610-12/16/10)   | 166 | 501150 (DI 0,14/6)       | 170 |
| 500002 (K1,5/6)      | 164 | 500123 (7585-10)         | 167 | 500717 (7610-13/12/10)   | 166 | 501151 (DI 0,25/6)       | 170 |
| 500004 (K2,5/4)      | 164 | 500124 (7585-11)         | 167 | 500718 (7610-13/16/10)   | 166 | 501152 (DI 0,25/8)       | 170 |
| 500005 (K2,5/5)      | 164 | 500125 (7585-12)         | 167 | 500719 (7610-14/12/5)    | 166 | 501153 (DI 0,34/6)       | 170 |
| 500006 (K2,5/6)      | 164 | 500126 (7585-13)         | 167 | 500720 (7610-14/16/5)    | 166 | 501154 (DI 0,34/8)       | 170 |
| 500007 (K2,5/8)      | 164 | 500127 (7585-14)         | 167 | 500800 (7400-01/100)     | 167 | 501155 (DI 0,5/6)        | 170 |
| 500008 (K4/4)        | 164 | 500141 (7373-03/100)     | 167 | 500801 (7400-03/100)     | 167 | 501156 (DI 0,5/8)        | 170 |
| 500009 (K4/5)        | 164 | 500142 (7373-05/100)     | 167 | 500802 (7400-05/100)     | 167 | 501157 (DI 0,5/10)       | 170 |
| 500010 (K4/6)        | 164 | 500143 (7373-07/100)     | 167 | 500803 (7400-06/100)     | 167 | 501158 (DI 0,75/6)       | 170 |
| 500011 (K4/8)        | 164 | 500144 (7373-08/100)     | 167 | 500804 (7400-07/100)     | 167 | 501159 (DI 0,75/8)       | 170 |
| 500012 (K6/5)        | 164 | 500145 (7373-09/100)     | 167 | 501000 (LKS-1,5 IZB)     | 168 | 501160 (DI 0,75/10)      | 170 |
| 500013 (K6/6)        | 164 | 500146 (7373-12/50)      | 167 | 501001 (LKS-2,5 IZB)     | 168 | 501161 (DI 0,75/12)      | 170 |
| 500014 (K6/8)        | 164 | 500147 (7373-14/25)      | 167 | 501002 (LKS-6 IZG)       | 168 | 501162 (DI 1/6)          | 170 |
| 500015 (K6/10)       | 164 | 500148 (7373-16/25)      | 167 | 501010 (7305-12FR)       | 168 | 501163 (DI 1/8)          | 170 |
| 500016 (K10/5)       | 164 | 500149 (7373-18/25)      | 167 | 501011 (7308-12FR)       | 168 | 501164 (DI 1/10)         | 170 |
| 500017 (K10/6)       | 164 | 500162 (7100-01/100)     | 172 | 501012 (7405-12FR)       | 168 | 501165 (DI 1/12)         | 170 |
| 500018 (K10/8)       | 164 | 500163 (7100-11/100)     | 172 | 501013 (7408-12FR)       | 168 | 501166 (DI 1,5/8)        | 170 |
| 500019 (K10/10)      | 164 | 500164 (7101-01/100)     | 172 | 501014 (7608-12FR)       | 168 | 501167 (DI 1,5/10)       | 170 |
| 500020 (K16/5)       | 164 | 500165 (7101-11/100)     | 172 | 501015 (7305-13FB)       | 168 | 501168 (DI 1,5/12)       | 170 |
| 500021 (K16/6)       | 164 | 500168 (7102-01/100)     | 172 | 501016 (7308-13FB)       | 168 | 501169 (DI 1,5/18)       | 170 |
| 500022 (K16/8)       | 164 | 500169 (7102-11/100)     | 172 | 501017 (7405-13FB)       | 168 | 501170 (DI 2,5/8)        | 170 |
| 500023 (K16/10)      | 164 | 500170 (7102-03/100)     | 172 | 501018 (7408-13FB)       | 168 | 501171 (DI 2,5/12)       | 170 |
| 500024 (K16/12)      | 164 | 500171 (7102-13/100)     | 172 | 501019 (7608-13FB)       | 168 | 501172 (DI 2,5/18)       | 170 |
| 500025 (K25/6)       | 164 | 500172 (7102-05/100)     | 172 | 501020 (7608-15FG)       | 168 | 501173 (DI 4/10)         | 170 |
| 500026 (K25/8)       | 164 | 500173 (7102-15/100)     | 172 | 501021 (7912-15FG)       | 168 | 501174 (DI 4/12)         | 170 |
| 500027 (K25/10)      | 164 | 500190 (7212-03/100)     | 172 | 501030 (7305P-12FR)      | 168 | 501175 (DI 4/18)         | 170 |
| 500028 (K25/12)      | 164 | 500191 (7212-13/100)     | 172 | 501031 (7308P-12FR)      | 168 | 501176 (DI 6/12)         | 171 |
| 500029 (K35/6)       | 164 | 500200 (7132-03/100)     | 173 | 501032 (7405P-12FR)      | 168 | 501177 (DI 6/18)         | 171 |
| 500030 (K35/8)       | 164 | 500224 (7202-00/4/100)   | 173 | 501033 (7408P-12FR)      | 168 | 501178 (DI 10/12)        | 171 |
| 500031 (K35/10)      | 164 | 500226 (7202-00/5/100)   | 173 | 501034 (7608P-12FR)      | 168 | 501179 (DI 10/18)        | 171 |
| 500032 (K35/12)      | 164 | 500240 (7242-00/5/1)     | 173 | 501035 (7405P-13FB)      | 168 | 501180 (DI 16/12)        | 171 |
| 500033 (K50/6)       | 164 | 500260 (7122-01/100)     | 174 | 501036 (7408P-13FB)      | 168 | 501181 (DI 16/18)        | 171 |
| 500034 (K50/8)       | 164 | 500261 (7122-11/100)     | 174 | 501037 (7608P-13FB)      | 168 | 501182 (DI 25/16)        | 171 |
| 500035 (K50/10)      | 164 | 500262 (7122-03/100)     | 174 | 501038 (7608P-15FG)      | 168 | 501183 (DI 25/22)        | 171 |
| 500036 (K50/12)      | 164 | 500263 (7122-13/100)     | 174 | 501050 (7305-12MR)       | 169 | 501184 (DI 35/16)        | 171 |
| 500037 (K50/16)      | 164 | 500260 (7122-01/100)     | 174 | 501051 (7308-12MR)       | 169 | 501185 (DI 35/25)        | 171 |
| 500038 (K70/6)       | 164 | 500261 (7122-11/100)     | 174 | 501052 (7405-12MR)       | 169 | 501186 (DI 50/20)        | 171 |
| 500039 (K70/8)       | 164 | 500262 (7122-03/100)     | 174 | 501053 (7408-12MR)       | 169 | 501187 (DI 50/25)        | 171 |
| 500040 (K70/10)      | 164 | 500263 (7122-13/100)     | 174 | 501054 (7608-12MR)       | 169 | 501188 (DI 70/20)        | 171 |
| 500041 (K70/12)      | 164 | 500280 (7232-01/100)     | 174 | 501055 (7405-13MB)       | 169 | 501189 (DI 95/25)        | 171 |
| 500042 (K70/16)      | 164 | 500281 (7232-11/100)     | 174 | 501056 (7408-13MB)       | 169 | 501190 (DI 120/27)       | 171 |
| 500043 (K95/8)       | 164 | 500282 (7232-03/100)     | 174 | 501057 (7608-13MB)       | 169 | 501191 (DI 150/32)       | 171 |
| 500044 (K95/10)      | 164 | 500283 (7232-13/100)     | 174 | 501058 (7608-15MG)       | 169 | 501210 (DID 0,5/8)       | 171 |
| 500045 (K95/12)      | 164 | 500302 (7912-24)         | 174 | 501070 (7608-12FMR)      | 169 | 501211 (DID 0,5/10)      | 171 |
| 500046 (K95/16)      | 164 | 500440 (7942-10)         | 175 | 501071 (7608-13FMB)      | 169 | 501212 (DID 0,75/8)      | 171 |
| 500048 (K120/8)      | 164 | 500441 (7962-10)         | 175 | 501072 (7608-15FMB)      | 169 | 501213 (DID 0,75/10)     | 171 |
| 500049 (K120/10)     | 164 | 500442 (7982-10)         | 175 | 501080 (7612-12/U 3FR)   | 169 | 501214 (DID 1/8)         | 171 |
| 500050 (K120/12)     | 164 | 500460 (7042-10)         | 175 | 501081 (7612-12/U 3,5FR) | 169 | 501215 (DID 1/10)        | 171 |
| 500051 (K120/16)     | 164 | 500461 (7062-10)         | 175 | 501082 (7612-12/U 4FR)   | 169 | 501216 (DID 1,5/8)       | 171 |
| 500052 (K150/8)      | 165 | 500462 (7082-10)         | 175 | 501083 (7612-12/U 5FR)   | 169 | 501217 (DID 1,5/12)      | 171 |
| 500053 (K150/10)     | 165 | 500480 (7922-00)         | 175 | 501084 (7612-12/U 6FR)   | 169 | 501218 (DID 2,5/10)      | 171 |
| 500054 (K150/12)     | 165 | 500500 (7022-00)         | 175 | 501085 (7612-12/U 8FR)   | 169 | 501219 (DID 2,5/13)      | 171 |
| 500055 (K150/16)     | 165 | 500650 (7610-01/03/100)  | 166 | 501086 (7612-12/U 10FR)  | 169 | 501220 (DID 4/12)        | 171 |
| 500056 (K185/10)     | 165 | 500651 (7610-01/3,5/100) | 166 | 501088 (7612-13/U 3FB)   | 169 | 501221 (DID 4/18)        | 171 |
| 500057 (K185/12)     | 165 | 500652 (7610-01/04/100)  | 166 | 501089 (7612-13/U 3,5FB) | 169 | 501222 (DID 6/14)        | 171 |
| 500058 (K185/16)     | 165 | 500653 (7610-01/05/100)  | 166 | 501090 (7612-13/U 4FB)   | 169 | 501223 (DID 6/18)        | 171 |
| 500059 (K185/20)     | 165 | 500654 (7610-03/03/100)  | 166 | 501091 (7612-13/U 5FB)   | 169 | 501224 (DID 10/14)       | 171 |
| 500060 (K240/10)     | 165 | 500655 (7610-03/3,5/100) | 166 | 501092 (7612-13/U 6FB)   | 169 | 501225 (DID 16/16)       | 171 |
| 500061 (K240/12)     | 165 | 500656 (7610-03/04/100)  | 166 | 501093 (7612-13/U 8FB)   | 169 | 501240 (7400-P8FR)       | 171 |
| 500062 (K240/14)     | 165 | 500657 (7610-03/05/100)  | 166 | 501096 (7612-15/U 3,5FG) | 169 | 501241 (7400-P10FR)      | 171 |
| 500063 (K240/16)     | 165 | 500658 (7610-03/06/100)  | 166 | 501097 (7612-15/U 4FG)   | 169 | 501242 (7400-P12FR)      | 171 |
| 500064 (K240/20)     | 165 | 500659 (7610-03/08/100)  | 166 | 501098 (7612-15/U 5FG)   | 169 | 501243 (7400-P8FB)       | 171 |
| 500066 (K300/12)     | 165 | 500660 (7610-05/04/100)  | 166 | 501099 (7612-15/U 6FG)   | 169 | 501244 (7400-P10FB)      | 171 |
| 500067 (K300/16)     | 165 | 500661 (7610-05/05/100)  | 166 | 501100 (7612-15/U 8FG)   | 169 | 501245 (7400-P12FB)      | 171 |
| 500068 (K400/12)     | 165 | 500662 (7610-05/06/100)  | 166 | 501111 (7610-12/M 3FR)   | 170 | 501248 (7400-P14FG)      | 171 |
| 500069 (K400/16)     | 165 | 500663 (7610-05/08/100)  | 166 | 501112 (7610-12/M 3,5FR) | 170 |                          |     |









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