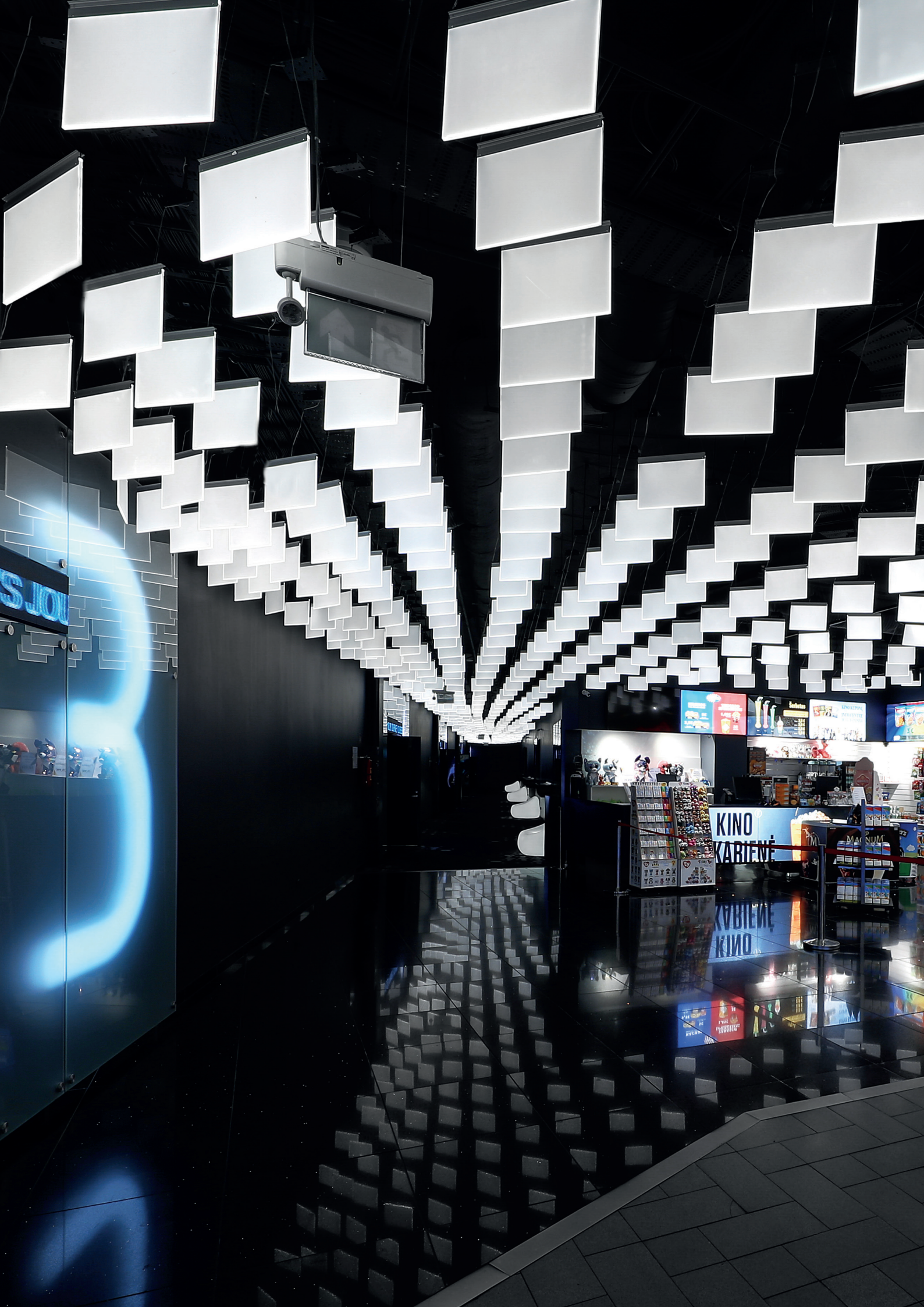
ESPE

SWITCH POWER

CATALOGUE

2025


KINO
KAVIENĖ


ЦУМ

SWITCH POWER

> We have created an excellent combination of **technology, reliability, safety, and expertise** in our products that helps our clients achieving outstanding results

ESPE – an expert in power supplies, connection cables and LED lighting systems

ESPE has been in business since 2006, providing reliable power supplies and connection cables that have won the trust of Europe's leading consumer electronics manufacturers. Our products are used in a wide range of industries such as IT, telecommunications, precision measurement equipment, cash registers, radio communications equipment, as well as consumer devices like smartphones, tablets and monitors.

ESPE is a manufacturer of high-quality switching power supplies, innovative LED lighting solutions and reliable power cables. Our goal is to provide products that meet international quality standards while ensuring competitive pricing. Thanks to our continuous pursuit of innovation and our broad product portfolio, we are able to offer technology solutions that are perfectly tailored to our customers' needs.

ESPE is a combination of high quality, energy efficiency, reliability and safety. Each of our products features excellent power conversion efficiency, safety of use and long-lasting durability, making them the optimal choice for a variety of applications.

ESPE is a brand that gains the trust of customers

providing many benefits such as:

- our **ESPE** power supplies come with detailed documentation in Polish and English,
- the specifications of the power supplies are verified in the company's laboratory to ensure that the real values match the declared data, to give customers confidence that the product meets their stringent quality requirements,
- the performance of **ESPE** power supplies is tested in a climate chamber under extreme environmental conditions, so that the device works reliably for many years, including in professional applications,
- power supplies are tested to maintain electrical safety beyond the requirements imposed by standards such as EN62368,
- our **ESPE** power supplies are tested to meet the requirements of electromagnetic compatibility standard,
- they are characterized by high power conversion efficiency and low no-load power consumption. Their performance in this regard exceeds the minimum standards set by the European Directives related to the ErP Ecodesign.

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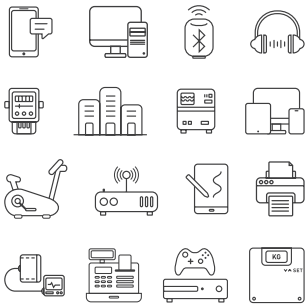
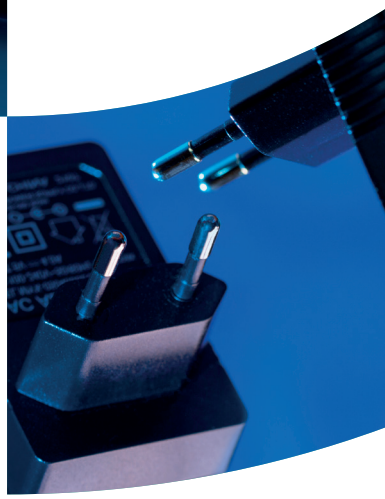
Plug-in power supplies





Plug-in power supplies look like a power plug and are mounted directly in the outlet. There is a flexible DC cable terminated with a jack plug at their output. They are characterized by high efficiency, so they do not overheat during operation. They consume low power from the mains with no load (less than 0.1 watts), so the power supplies do not need to be unplugged overnight and are comprehensively protected against overloads and short circuits. It is a safe design with reinforced insulation giving high safety of use. High-quality electronic components ensure many years of reliable operation and extensive EMC filters guarantee no interference to audio/video equipment. They meet the requirements of safety, EMC and energy efficiency standards. The hermetic housing of the power supplies and the DC cable are made of safe materials that do not contain harmful substances. The plug-in power supplies are available in power ranges from 3 to 24 watts and for voltages from 3.3 to 24 volts. ESPE plug-in power supplies are characterized by small size and high efficiency. Their design is based on high-quality electronic components that allow continuous, long-term performance in all conditions. They are reliable, fully protected against overloads and transients. They provide high efficiency and have excellent technical parameters.

FEATURES:

- high energy conversion efficiency according to Ecodesign requirements
- low ripples level and excellent stabilization
- wide operating temperature range -20 ... +40°C.
- fully protected electronics
- compliance with international standards for safety and EMC:
  - EMC emission: EN55032 Class B, EN61000-3-2
  - EMC immunity: EN61000-4
  - Safety: EN62368-1
  - Ecodesign: KE 2019/1782
  - RoHS: EN 63000:2019-01

APPLICATIONS:

- consumer electronics
- home medical devices
- electronic instruments
- routers and networking equipment
- computer and office equipment
- home and building automation systems
- audio/video equipment

E06

FEATURES:

- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- high power output
- no load power consumption under 100 mW

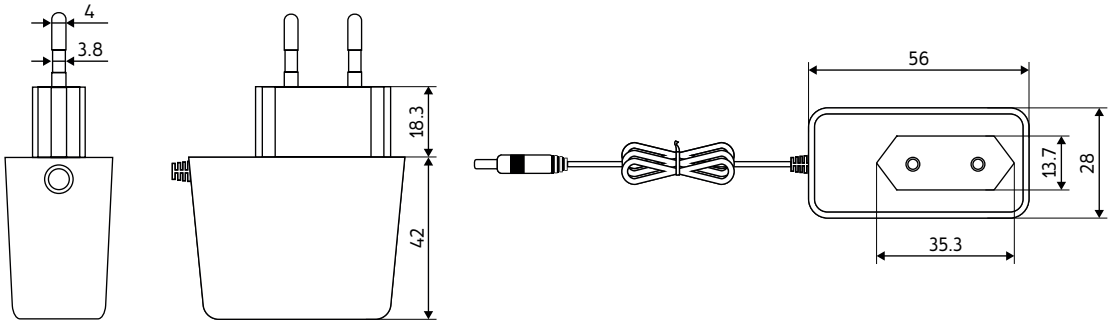
APPLICATIONS:

- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

5 YEARS WARRANTY

E06 is a series of small and efficient plug-in power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	E06-0605	E06-0606	E06-0612
Rated output voltage	5 V	6 V	12 V
Rated output current	1.2 A	1 A	0.5 A
Rated output power	6 W		
Rated input voltage	100-240 VAC		
No load power consumption	65 mW	75 mW	65 mW
Ripples and noise	120 mVp-p	120 mVp-p	150 mVp-p
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP		
Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (110-140%), SCP, OVP		
Working temperature range	-10 to +40°C		
Safety compliance	EN62368-1:2020+A11:2020		
EMC compliance	EN55032 Class B; EN61000-4-2 (8/6 kV), -4-4 and -4-5 (1 kV)		
Dimensions	56 × 28 × 42 mm		
Weight	62 g		
Output connector DC - 211	DC Jack (straight) 2.1 × 5.5 × 10 mm - Plus in the center		
Input connector	EU plug		
Output cable	1.5 m, AWG24		

E12

FEATURES:

- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- high power output
- no load power consumption under 100 mW

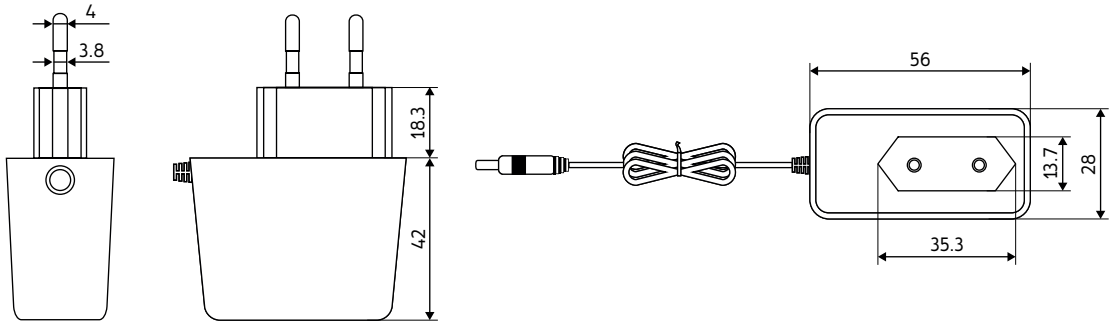
APPLICATIONS:

- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

5 YEARS WARRANTY

E12 is a series of small and efficient plug-in power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	E12-1005	E12-0808	E12-0909	E12-1212	E12-1224
Rated output voltage	5 V	7.5 V	9 V	12 V	24 V
Rated output current	2 A	1 A	1 A	1 A	0.5 A
Rated output power	10 W	7.5 W	9 W	12 W	12 W
Rated input voltage	100-240 VAC				
No load power consumption	90 mW	0.1 W	0.1 W	75 mW	0.1 W
Ripples and noise	120 mVp-p	150 mVp-p	120 mVp-p	150 mVp-p	120 mVp-p
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP				
Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (120-135%)	OCP (110-140%)	OCP (120-150%)	OCP (115-135%)	OCP (110-140%)
Working temperature range	-10 to +40°C				
Safety compliance	EN62368-1:2020+A11:2020				
EMC compliance	EN55032 Class B, EN61000-4-2 (8/6 kV), -4-4 and -4-5 (1 kV)				
Dimensions	56 × 28 × 42 mm				
Weight	80 g	68 g	72 g	70 g	80 g
Output connector DC - 211	DC Jack (straight) 2.1 × 5.5 × 10 mm - Plus in the center				
Input connector	EU plug				
Output cable	1.5 m	1.2 m	1.2 m	1.5 m	1.5 m

E18

FEATURES:

- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- high power output
- no load power consumption under 100 mW

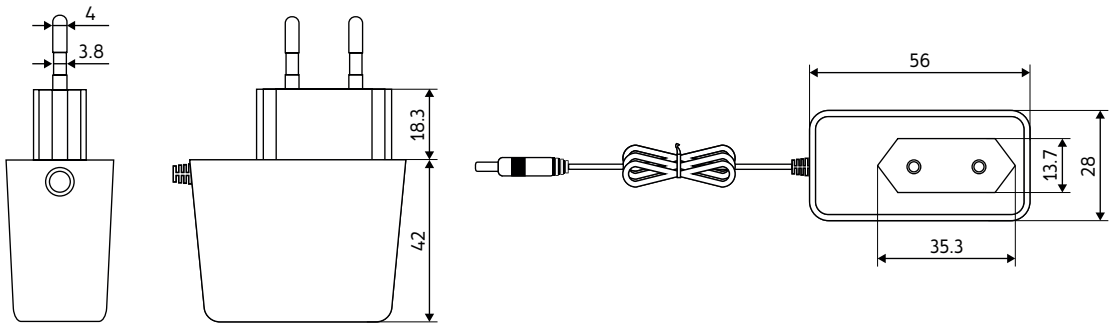
APPLICATIONS:

- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

5 YEARS WARRANTY

E18 is a series of small and efficient plug-in power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	E18-1805	E18-1812	E18-1824
Rated output voltage	5 V	12 V	24 V
Rated output current	3 A	1.5 A	0.75 A
Rated output power	15 W	18 W	18 W
Rated input voltage	100-240 VAC		
No load power consumption	0.1 W		
Ripples and noise	150 mVp-p	120 mVp-p	120 mVp-p
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP		
Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (110-140%), SCP, OVP		
Working temperature range	-5 to +40°C		
Safety compliance	EN62368-1:2020+A11:2020		
EMC compliance	EN55032 Class B, EN61000-4-2 (8/6 kV), -4-4 and -4-5 (1 kV)		
Dimensions	56 × 28 × 42 mm		
Weight	95 g	75 g	75 g
Output connector DC - 211	DC Jack (straight) 2.1 × 5.5 × 10 mm - Plus in the center		
Input connector	EU plug		
Output cable	1.5 m, AWG18	1.5 m, AWG24	1.5 m, AWG24

E24

FEATURES:

- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- high power output
- no load power consumption under 100 mW

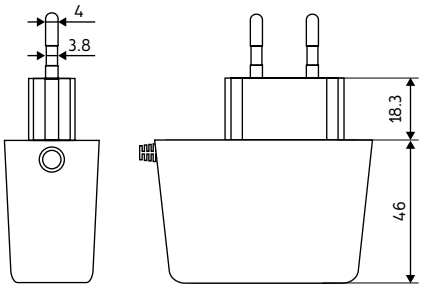
APPLICATIONS:

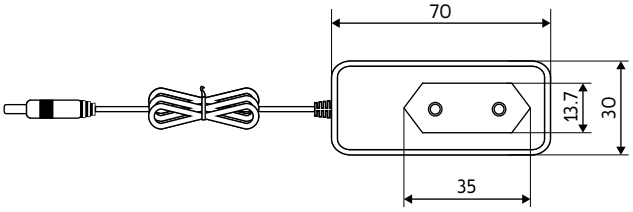
- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

5 YEARS WARRANTY

E24 is a series of small and efficient plug-in power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.

MECHANICAL SPECIFICATION





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VARIANTS

Parameter	E24-2409	E24-2412	E24-2415	E24-2424
Rated output voltage	9 V	12 V	15 V	24 V
Rated output current	2.5 A	2 A	1.6 A	1 A
Rated output power	24 W	24 W	24 W	24 W
Rated input voltage	100-240 VAC			
No load power consumption	0.1 W			
Ripples and noise	150 mVp-p	100 mVp-p	150 mVp-p	100 mVp-p
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP			
Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (120-140%), SCP, OVP			
Working temperature range	−5 to +40°C			
Safety compliance	EN62368-1:2020+A11:2020			
EMC compliance	EN55032 Class B; EN61000-4-2 (8/6 kV), -4-4 and -4-5 (1 kV)			
Dimensions	70 × 30 × 46 mm			
Weight	100 g			
Output connector DC - 211	DC Jack (straight) 2.1 × 5.5 × 10 mm - Plus in the center			
Input connector	EU plug			
Output cable	1.5 m, AWG20	1.5 m, AWG22	1.5 m, AWG22	1.5 m, AWG24

MARKING SYSTEM

E06-0605-211

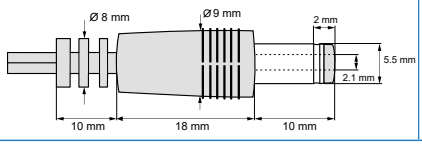
Series **E06**
Output power **6W**
Rated output voltage **5V**
Output connector type

Standard output connector DC Jack 2.1 × 5.5 × 10 mm, (plus in the center)

21 – Plug type DC –
DC Jack 2.1 × 5.5 × 10 mm

1 – Plug shape DC and polarization –
Straight plug, plus in the center

STANDARD OUTPUT DC 211 CONNECTOR

Index	Type	Inner size [mm]	Outer size [mm]	Clamp type	Technical drawing	Illustration
211	Straight	2.10	5.50	F 		

VARIANTS OF OUTPUT DC CONNECTORS

E06–0605–

Type and plug size

00	None
07	0.7 / 2.35 mm
08	0.8 / 3.0 mm
10	1.1 / 3.0 mm
11	1.1 / 3.5 mm
13	1.3 / 3.45 mm
15	1.5 / 5.5 mm
40	1.7 / 4.0 mm
48	1.7 / 4.8 mm

17	1.7 / 5.5 mm
21	2.1 / 5.5 mm
25	2.5 / 5.5 mm
30	3.0 / 5.5 mm
J2	Jack 2.5 mm
UA	USB–A
UM	USB micro
UC	USB Type C

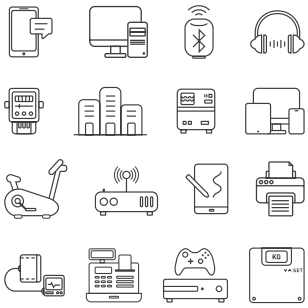
Plug shape and polarization

0	None
1	Straight
2	Angled
3	Straight (CN – reversed polarization)
4	Angled (CN – reversed polarization)
6	Socket
7	Socket (CN – reversed polarization)

MODELS

No.	Series	Model	Name	Voltage [V]	Current [A]	Power [W]	Dimensions [mm]
1.	E06	E06-0605	Plug-in power supply ESPE 5V 1.2A 6W	5	1.2	6	56 / 28 / 42
2.	E06	E06-0606	Plug-in power supply ESPE 6V 1A 6W	6	1	6	56 / 28 / 42
3.	E06	E06-0612	Plug-in power supply ESPE 12V 0.5A 6W	12	0.5	6	56 / 28 / 42
4.	E12	E12-1005	Plug-in power supply ESPE 5V 2A 10W	5	2	10	56 / 28 / 42
5.	E12	E12-0808	Plug-in power supply ESPE 7.5V 1A 7.5W	7.5	1	7.5	56 / 28 / 42
6.	E12	E12-0909	Plug-in power supply ESPE 9V 1A 9W	9	1	9	56 / 28 / 42
7.	E12	E12-1212	Plug-in power supply ESPE 12V 1A 12W	12	1	12	56 / 28 / 42
8.	E12	E12-1224	Plug-in power supply ESPE 24V 0.5A 12W	24	0.5	12	56 / 28 / 42
9.	E18	E18-1805	Plug-in power supply ESPE 5V 3A 15W	5	3	15	56 / 28 / 42
10.	E18	E18-1812	Plug-in power supply ESPE 12V 1.5A 18W	12	1.5	18	56 / 28 / 42
11.	E18	E18-1824	Plug-in power supply ESPE 24V 0.75A 18W	24	0.75	18	56 / 28 / 42
12.	E24	E24-2409	Plug-in power supply ESPE 9V 2.5A 24W	9	2.5	22.5	70 / 30 / 46
13.	E24	E24-2412	Plug-in power supply ESPE 12V 2A 24W	12	2	24	70 / 30 / 46
14.	E24	E24-2415	Plug-in power supply ESPE 15V 1.6A 24W	15	1.6	24	70 / 30 / 46
15.	E24	E24-2424	Plug-in power supply ESPE 24V 1A 24W	24	1	24	70 / 30 / 46

Desktop power supplies



Desktop (desk-top) power supplies are units in a cuboid housing designed for indoor operation and connected to the power grid via a 2- or 3-wire cable. The output power range is from about 20 to 120 watts, making them versatile units with a wide range of applications. The desktop power supplies provide good performance and are available in a range of design options, including ferrite ring, LED indicator light and many types of DC plugs. They meet international safety requirements and are available in a wide range of output voltages. A feature of the desktop power supplies is also a wide range of line voltages allowing worldwide operation. The output voltages of these power supplies range from 9 to 48V.

ESPE desktop power supplies have small dimensions and high output power. Their design is based on high-quality electronic components that allow continuous, long-term operation. They are reliable, fully protected against overloads and transients. They provide high efficiency and have excellent technical performance.

FEATURES:

- high energy conversion efficiency according to Ecodesign requirements
- low ripple level and excellent stabilization
- wide operating temperature range -20 ... +40°C.
- fully protected electronics
- compliance with international standards for safety and EMC:
  - EMC emission: EN55032 Class B, EN61000-3-2
  - EMC immunity: EN61000-4
  - Safety: EN62368-1
  - Ecodesign: KE 2019/1782
  - RoHS: EN 63000:2019-01

APPLICATIONS:

- consumer electronics
- routers and networking equipment
- computer and office equipment
- home and building automation systems
- cash registers and vending machines
- audio/video equipment

E36T

FEATURES:

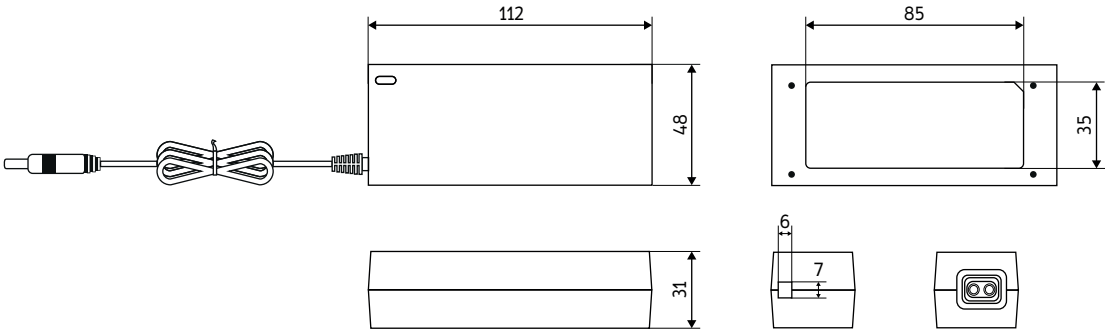
- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- high power output
- no load power consumption under 100 mW

APPLICATIONS:

- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

E36T is a series of small, efficient 36-watt desktop power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	E36T-3612	E36T-3624
Rated output voltage	12 V	24 V
Rated output current	3 A	1.5 A
Rated output power	36 W	
Rated input voltage	100-240 VAC	
No load power consumption	0.1 W	
Ripples and noise	100 mVp-p	120 mVp-p
Transient voltage protection	Yes	
Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (120-140%), SCP, OVP	
Output overvoltage protection	19 V	36 V
Working temperature range	–5°C to +40°C	
Safety compliance	EN62368-1:2020+A11:2020	
EMC compliance	EN55032 Class B EN61000-4	
Dimensions	112 × 48 × 31 mm	
Weight	153 g	
Output connector DC - 211	DC Jack (straight) 2.1 × 5.5 × 10 mm - Plus in the center	
Input connector	2-pin IEC C8 socket	
Enclosure	Black ABS plastic with LED	

E60T

FEATURES:

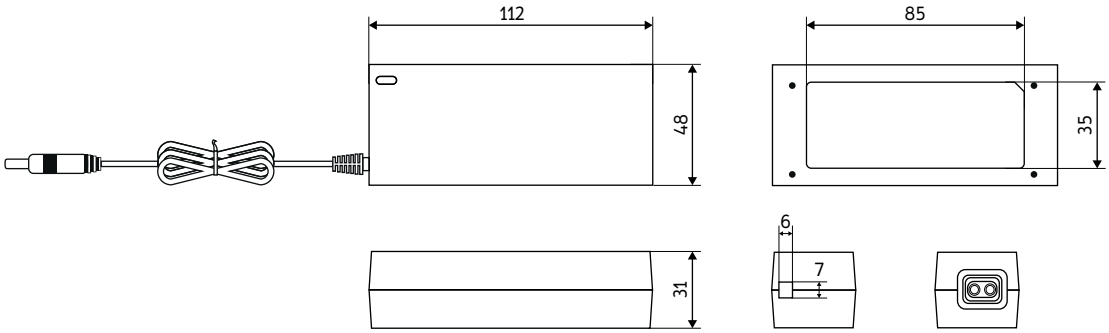
- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- high power output
- no load power consumption under 100 mW

APPLICATIONS:

- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

E60T is a series of small, efficient 60-watt desktop power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	E60T-6012	E60T-6024
Rated output voltage	12 V	24 V
Rated output current	5 A	2.5 A
Rated output power	60 W	
Rated input voltage	100-240 VAC	
No load power consumption	0.1 W	0.2 W
Ripples and noise	100 mVp-p	150 mVp-p
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP	
Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (120-140%), SCP, OVP	OCP (120-150%), SCP, OVP
Output overvoltage protection	19 V	36 V
Working temperature range	-5°C to +40°C	
Safety compliance	EN62368-1:2020+A11:2020	
EMC compliance	EN55032 Class B; EN61000-4-2, -4-4 and -4-5	
Dimensions	112 × 48 × 31 mm	
Weight	220 g	
Output connector DC - 211	DC Jack (straight) 2.1 × 5.5 × 10 mm - Plus in the center	
Output cable	1.2 m AWG18; 0.82 mm²	1.2 m AWG20; 0.52 mm²
Input connector	2-pin IEC C8 socket	
Enclosure	Black ABS plastic with LED	

E90P

FEATURES:

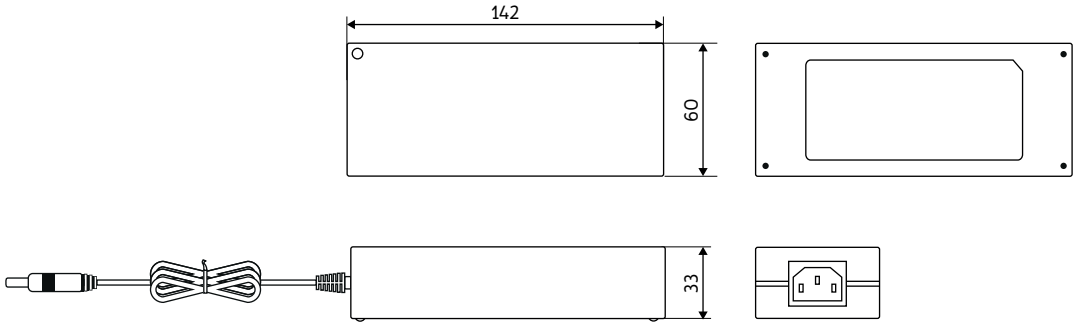
- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- high power output
- no load power consumption under 100 mW

APPLICATIONS:

- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

E90P is a series of small, efficient 90-watt desktop power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	E90P-9012	E90P-9024
Rated output voltage	12 V	24 V
Rated output current	7.5 A	3.75 A
Rated output power	90 W	
Rated input voltage	100-240 VAC	
No load power consumption	0.15 W	
Ripples and noise	150 mVp-p	200 mVp-p
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP	
Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (120-145%), SCP, OVP	
Output overvoltage protection	19 V	38 V
Working temperature range	-5°C to +40°C	
Safety compliance	EN62368-1	
EMC compliance	EN55032 Class B; EN61000-4-2, -4-4 and -4-5	
Dimensions	142 × 60 × 33 mm	
Weight	300 g	
Output connector DC - 211	DC Jack (straight) 2.1 × 5.5 × 10 mm - Plus in the center	
Output cable	1.2 m AWG16; 1.32 mm^2	1.2 m AWG20; 0.52 mm^2
Input connector	3-pin IEC C14 socket	
Enclosure	Black ABS plastic with LED	

E120P

FEATURES:

- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- high power output
- no load power consumption under 100 mW

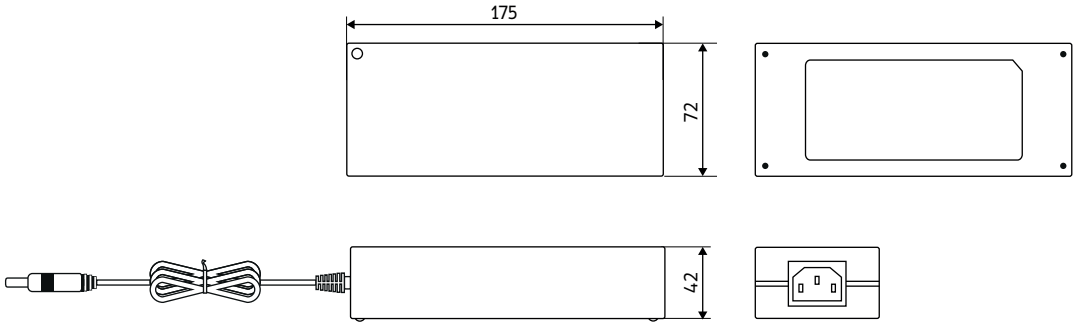
APPLICATIONS:

- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

5 YEARS WARRANTY

E120P is a series of small, efficient 120-watt desktop power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	E120P-12012	E120P-12024
Rated output voltage	12 V	24 V
Rated output current	10 A	5 A
Rated output power	120 W	
Rated input voltage	100-240 VAC	
No load power consumption	0.1 W	
Ripples and noise	180 mVp-p	
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP	
Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (140-200%), SCP, OVP	
Output overvoltage protection	19 V	36 V
Working temperature range	-5°C to +40°C	
Safety compliance	EN62368-1	
EMC compliance	EN55032 Class B; EN61000-4-2, -4-4 and -4-5	
Dimensions	175 × 72 × 42 mm	
Weight	500 g	
Output connector DC - 211	DC Jack (straight) 2.1 × 5.5 × 10 mm - Plus in the center	
Output cable	1 m	
Input connector	3-pin IEC C14 socket	
Enclosure	Black ABS plastic with LED	

MARKING SYSTEM

E60T-6012-211

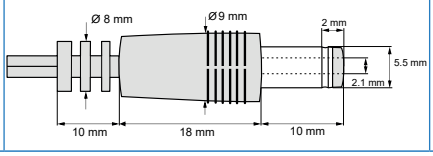
- Series **E60T**
- Input connector - 2-pinowym IEC **C8**
- Output power **60W**
- Rated output voltage **12V**
- Output connector type

Standard output connector DC Jack 2.1 × 5.5 × 10 mm, (plus in the center)

21 – Plug type DC – DC Jack 2.1 × 5.5 × 10 mm

1 – Plug shape DC and polarization – Straight plug, plus in the center

STANDARD OUTPUT DC 211 CONNECTOR

Index	Type	Size inside [mm]	Size outside [mm]	Clamp type	Technical drawing	Explanatory picture
211	Straight	2.10	5.50	F		

VARIANTS OF OUTPUT DC CONNECTORS

E60T-6012-

Type and plug size

00	None
07	0.7 / 2.35 mm
08	0.8 / 3.0 mm
10	1.1 / 3.0 mm
11	1.1 / 3.5 mm
13	1.3 / 3.45 mm
15	1.5 / 5.5 mm

40	1.7 / 4.0 mm
48	1.7 / 4.8 mm
17	1.7 / 5.5 mm
21	2.1 / 5.5 mm
25	2.5 / 5.5 mm
30	3.0 / 5.5 mm

Plug shape and polarization

0	None
1	Straight
2	Angled
3	Straight (CN – reversed polarization)
4	Angled (CN – reversed polarization)
6	Socket
7	Socket (CN – reversed polarization)

MODELS

No.	Series	Model	Name	Voltage [V]	Current [A]	Power [W]	Dimensions [mm]
1.	E36T	E36T-3612	Desktop power supply ESPE 12V 3A 36W |C8|	12	3	36	112 × 48 × 31
2.	E36T	E36T-3624	Desktop power supply ESPE 24V 1.5A 36W |C8|	24	1.5	36	112 × 48 × 31
3.	E60T	E60T-6012	Desktop power supply ESPE 12V 5A 60W |C8|	12	5	60	112 × 48 × 31
4.	E60T	E60T-6024	Desktop power supply ESPE 24V 2.5A 60W |C8|	24	2.5	60	112 × 48 × 31
5.	E90P	E90P-9012	Desktop power supply ESPE 12V 7.5A 90W |C14|	12	7.5	90	142 × 60 × 33
6.	E90P	E90P-9024	Desktop power supply ESPE 24V 3.75A 90W |C14|	24	3.75	90	142 × 60 × 33
7.	E120P	E120P-12012	Desktop power supply ESPE 12V 10A 120W |C14|	12	10	120	175 × 72 × 42
8.	E120P	E120P-12024	Desktop power supply ESPE 24V 5A 120W |C14|	24	5	120	175 × 72 × 42

DIN rail HDN power supplies

DIN-rail power supplies are units that are distinguished by a special housing, in the back of which there is a clip that allows snap-on mounting on a metal rail. Fastening involves pressing the power supply housing to the rail. The special shape of the rail (resembling a flattened U) and the latch in the housing make the attachment automatic and tool-free. The size of the rail and the shape of the latch are standardized, so power supplies in such enclosures fit into any installation box of any manufacturer. Individual power supply units of this type have the same case height and depth, and only vary in width depending on the output power. They have a screw connection at the bottom and top of the housing, and the connection to the installation is made with a cable.

DIN power supplies are high-quality products, designed for long and uninterrupted operation in harsh environments. The power range is 10-150 watts, and the voltage range is 5-24V.

ESPE HDN power supplies are high-quality, high-performance units in a plastic enclosure for mounting on a TS35 mm DIN rail with a width of 1U-5U depending on power. The design is based on high-quality electronic components that allow continuous, long-term performance. The power supplies are reliable, fully protected and provide stable voltage. They provide high power conversion efficiency. The perforated housing provides good ventilation, and the trimmer allows accurate voltage adjustment.

FEATURES:

- small in size
- high output power
- based on high-end electronic components
- universally protected, low surge current
- trimmer for voltage regulation
- perforated housing
- LED indicator
- compliance with:
  - EMC emission: EN55032 Class B, EN61000-3-2
  - EMC immunity: EN61000-4, EN EN55035,
  - Safety: EN61347, EN62368-1
  - RoHS: EN 63000:2019-01

APPLICATIONS:

- industrial automation systems
- monitoring and safety systems
- home and building automation
- machines and equipment

HDN-15

FEATURES:

- compact design
- high output power
- premium class components
- fully protected
- output voltage trimmer
- perforated enclosure
- power on LED

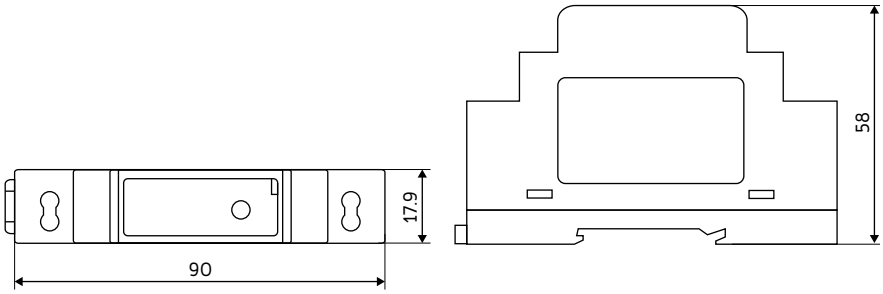
APPLICATIONS:

- industrial automation
- monitoring and safety systems
- home and building automation
- LED lighting systems

5 YEARS WARRANTY

HDN-15 is a series of a high quality, efficient switched-mode industrial power supplies in a plastic housing for mounting on a DIN TS35 mm rail with a width of 1U. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. The perforated enclosure provides good ventilation and the trimmer allows to accurately adjust the voltage to compensate for the voltage drop across the wires. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	HDN-1005	HDN-1512	HDN-1524
Rated output voltage	5 V	12 V	24 V
Rated output current	2 A	1.25 A	0.63 A
Rated output power	10 W	15 W	15 W
Rated input voltage	100-240 VAC		
No load power consumption	0.2 W		
Ripples and noise	100 mVp-p		
Output short circuit protection	Yes		
Output overcurrent protection	120-145% - "Hiccup" mode		
Output overvoltage protection	6.75 V	16 V	32 V
Input overvoltage protection	Yes - MOV		
Working temperature	0 to +40°C		
Safety compliance	EN62368-1		
EMC compliance	EN55032 Class B, EN61000-4-2, -4-4, -4-5		
Dimensions	90 × 58 × 17.9 mm		
Weight	70 g		
Output connector	Terminal block		
Input connector	Terminal block		
Enclosure	Grey ABS plastic - IP20 - DIN TS35 mm rail mounting		

HDN-30

FEATURES:

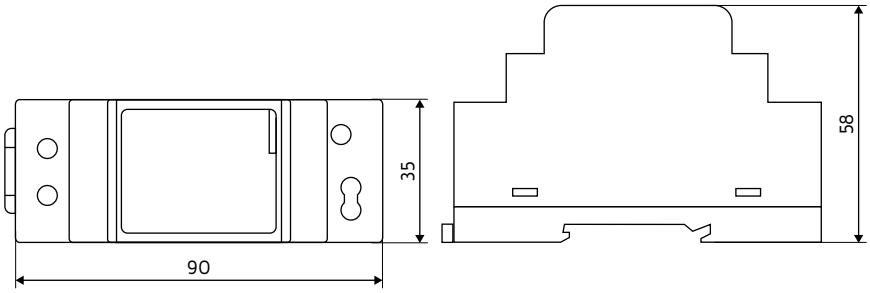
- compact design
- high output power
- premium class components
- fully protected
- low inrush
- output voltage trimmer
- perforated enclosure
- power on LED

APPLICATIONS:

- industrial automation
- monitoring and safety systems
- home and building automation
- LED lighting systems

HDN-30 is a series of a high quality, efficient switched-mode industrial power supplies in a plastic housing for mounting on a DIN TS35 mm rail with a width of 2U. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. The perforated enclosure provides good ventilation and the trimmer allows to accurately adjust the voltage to compensate for the voltage drop across the wires. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	HDN-3012	HDN-3015	HDN-3024
Rated output voltage	12 V	15 V	24 V
Rated output current	2 A	2 A	1 A
Rated output power	24 W	30 W	24 W
Rated input voltage	100-240 VAC		
No load power consumption	0.15 W	0.15 W	0.2 W
Ripples and noise	150 mVp-p		
Output short circuit protection	Yes		
Output overcurrent protection	120-160%		
Output overvoltage protection	16 V	22 V	32 V
Working temperature	0 to +40°C		
Safety compliance	EN62368-1		
EMC compliance	EN55032 Class B, EN61000-4-2, -4-4, 4-5		
Dimensions	90 × 58 × 35 mm		
Weight	120 g		
Output connector	Terminal block		
Input connector	Terminal block		
Enclosure	Grey ABS plastic - IP20 - DIN TS35 mm rail mounting		

HDN-60

FEATURES:

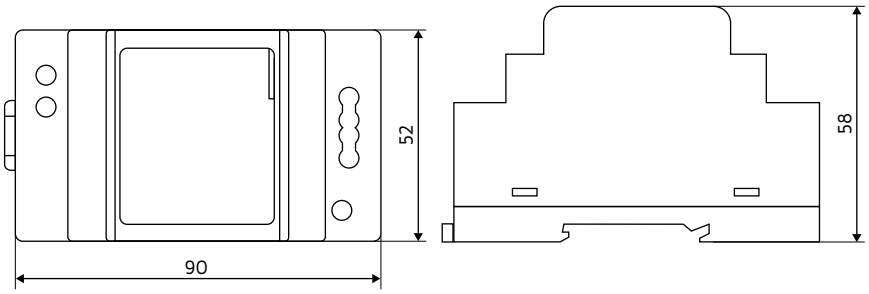
- compact design
- high output power
- premium class components
- fully protected
- low inrush
- output voltage trimmer
- perforated enclosure
- power on LED
- double terminal block connectors on output

APPLICATIONS:

- industrial automation
- monitoring and safety systems
- home and building automation
- LED lighting systems

HDN-60 is a series of high quality, efficient switched-mode industrial power supplies in a plastic housing for mounting on a DIN TS35 mm rail with a width of 3U. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. The perforated enclosure provides good ventilation, and the trimmer allows to accurately adjust the voltage to compensate for the voltage drop across the wires. Double output terminals make it easy to connect load. 5 years warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	HDN-6012	HDN-6024
Rated output voltage	12 V	24 V
Rated output current	4.5 A	2.5 A
Rated output power	54 W	60 W
Rated input voltage	100-240 VAC	
No load power consumption	0.25 W	0.4 W
Ripples and noise	150 mVp-p	
Output short circuit protection	Yes	
Output overcurrent protection	120-140%	
Output overvoltage protection	16 V	32 V
Working temperature	0 to +40°C	
Safety compliance	EN62368-1	
EMC compliance	EN55032 Class B EN61000-4-2, EN61000-4-4, EN61000-4-5	
Dimensions	90 × 58 × 52 mm	
Weight	185 g	
Output connector	Double pins terminal block	
Input connector	Terminal block	
Enclosure	Grey ABS plastic - IP20 - DIN TS35 mm rail mounting	

HDN-100

FEATURES:

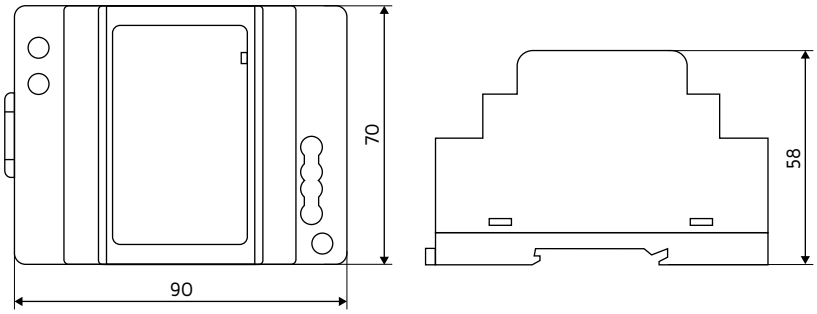
- compact design
- high output power
- premium class components
- fully protected
- low inrush
- output voltage trimmer
- perforated enclosure
- power on LED
- double terminal block connectors on output

APPLICATIONS:

- industrial automation
- monitoring and safety systems
- home and building automation
- LED lighting systems

HDN-100 is a series of high quality, efficient switched-mode industrial power supplies in a plastic housing for mounting on a DIN TS35 mm rail with a width of 4U. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. The perforated enclosure provides good ventilation, and the trimmer allows to accurately adjust the voltage to compensate for the voltage drop across the wires. Double output terminals make it easy to connect load. 5 years warranty included.

MECHANICAL SPECIFICATION



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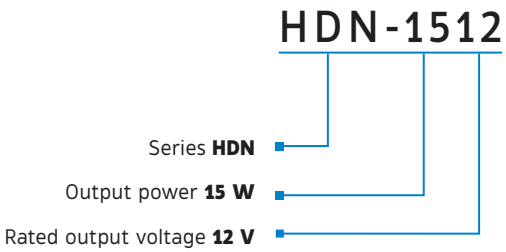
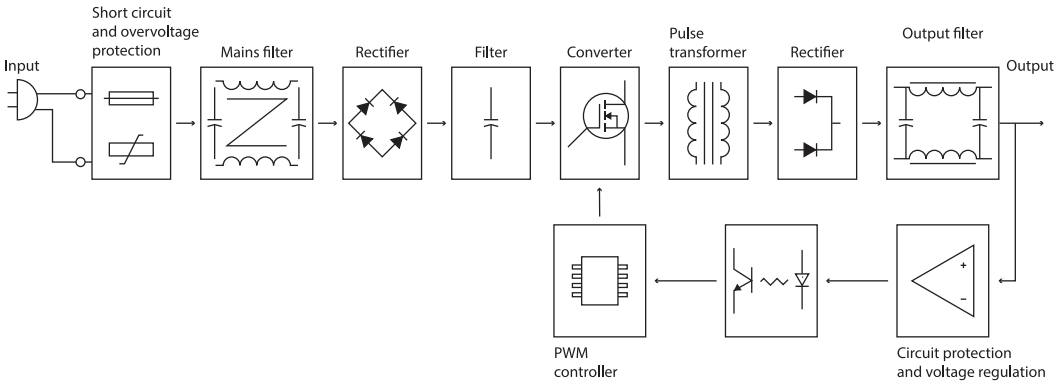
VARIANTS

Parameter	HDN-10012	HDN-10024
Rated output voltage	12 V	24 V
Rated output current	7.1 A	3.83 A
Rated output power	85 W	92 W
Rated input voltage	100-240 VAC	
No load power consumption	0.5 W	0.2 W
Ripples and noise	150 mVp-p	
Output short circuit protection	Yes	
Output overcurrent protection	120-140%	
Output overvoltage protection	16 V	36 V
Working temperature	0 to +40°C	
Safety compliance	EN62368-1	
EMC compliance	EN55032 Class B, EN61000-4-2, EN61000-4-4, -4-5	
Dimensions	90 × 58 × 70 mm	
Weight	240 g	246 g
Output connector	Double pins terminal block	
Input connector	Terminal block	
Enclosure	Grey ABS plastic - IP20 - DIN TS35 mm rail mounting	

MARKING SYSTEM

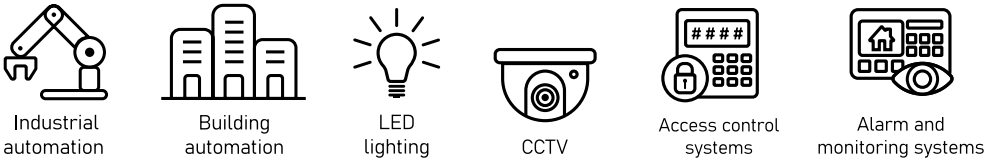


BLOCK DIAGRAM



MODELS

No.	Series	Model	Name	EAN	Voltage [V]	Current [A]	Power [W]
1.	HDN	HDN-1005	DIN ESPE POWER SUPPLY HDN 5V 2A 10W	5904139604687	5	2	10
2.	HDN	HDN-1512	DIN ESPE POWER SUPPLY HDN 12V 1.25A 15W	5904139604694	12	1.25	15
3.	HDN	HDN-1524	DIN ESPE POWER SUPPLY HDN 24V 0.63A 15W	5904139604670	24	0.63	15
4.	HDN	HDN-3012	DIN ESPE POWER SUPPLY HDN 12V 2A 24W	5904139605684	12	2	24
5.	HDN	HDN-3015	DIN ESPE POWER SUPPLY HDN 15V 2A 30W	5904139605653	15	2	30
6.	HDN	HDN-3024	DIN ESPE POWER SUPPLY HDN 24V 1A 24W	5904139605691	24	2	30
7.	HDN	HDN-6012	DIN ESPE POWER SUPPLY HDN 12V 5.4A 54W	5904139604663	12	5.4	54
8.	HDN	HDN-6024	DIN ESPE POWER SUPPLY HDN 24V 2.5A 60W	5904139604717	24	2.5	60
9.	HDN	HDN-10012	DIN ESPE POWER SUPPLY HDN 12V 7.1A 85W	5904139604731	12	7.1	85
10.	HDN	HDN-10024	DIN ESPE POWER SUPPLY HDN 24V 3.83A 92W	5904139605677	24	3.83	92
11.	HDN	HDN-15012	DIN ESPE POWER SUPPLY HDN 12V 11.3A 135.6W	5904139613528	12	11.3	135.6
12.	HDN	HDN-15024	DIN ESPE POWER SUPPLY HDN 24V 6.25A 150W	5904139613535	24	6.25	150
13.	HDN	HDN-15048	DIN ESPE POWER SUPPLY HDN 48V 3.12A 150W	5904139613559	48	3.12	150



LED power supplies

LED power supplies are dedicated devices for lighting installations, different from other products because of their specific electrical parameters, the range of standards they meet, and their increased level of safety. They are designed for a variety of applications, such as installations in luminaires, installation boxes or furniture, offering a wide range of enclosures to suit specific needs.

LED power supplies fall into two main categories:

- **Constant output voltage (CV) power supplies** – designed to power LED strips, modules, strips and panels.
- **Constant-current (CC) power supplies** – for powering LEDs in constant-current systems.

Both groups of products are characterized by high efficiency, compact design and reliability, thanks to the use of the best electronic components. These power supplies are designed for long-term operation in various conditions, providing full protection against short circuits and overloads. In addition, their low current ripple eliminates the effect of flickering light sources, which results in user comfort.

The products are available in three variants:

- **Standard LN Series (IP20)** – for indoor usage,
- **Hermetic LPF Series (IP67)** – for applications requiring protection from moisture and dust,
- **Boxed LP Series (IP67)** – specialized power supplies designed for mounting in an installation box.

The power supply housings come in various forms: classic rectangular, flat and slim type, which allows them to be installed even in areas with limited space.

LED ESPE power supplies are top-quality units, designed for LED applications requiring constant output voltage (CV). The range includes models with output voltages of 12V and 24V and power from 6W to 360W. The power supplies are equipped with an active PFC circuit, which provides a power factor λ above 0.9, further increasing their efficiency.

FEATURES:

- high power conversion efficiency, low heating
- low ripple and excellent stabilization
- wide operating temperature range -20 ... +50°C.
- easy-to-install housing
- fully protected electronics
- safe SELV and LPS compliant design
- compliance with:
  EMC emission: EN55015,
  EN61000-3-2 Class C, EN61000-3-3;
  EMC immunity: EN61000-4, EN61547;
  EN61347, EN62368-1;
  RoHS: EN 63000:2019-01

APPLICATIONS:

- building systems with LED lighting
- LED light advertisements
- decorative LED lighting
- industrial LED lighting
- office LED lighting
- LED lighting fixtures
- furniture and kitchen LED lighting
- LED lighting for museums and galleries

LN-06

FEATURES:

- compact design
- high output power
- based on high-end electronic components
- fully protected
- low surge current
- trimmer
- perforated housing
- LED indicator light
- double output terminals

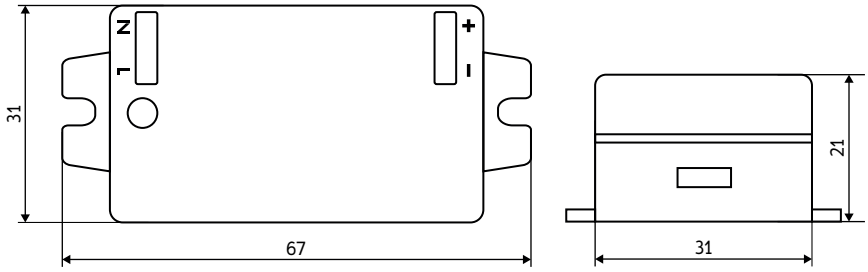
APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- stage LED lighting
- digital signage systems
- architectural LED lighting
- emergency lighting

5 YEARS WARRANTY

LN-06 are universal 6-watt power supplies dedicated to low-power LED lighting systems. They are characterized by excellent build quality and meet the requirements of harmonized standards. Their design is based on high-quality electronic components that allow continuous and long-term performance in all conditions. These power supplies are characterized by reliability, full protection and stability of operation.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LN-0612	LN-0624	Conditions
Rated output voltage	12 V	24V	
Rated output current	0.5 A	0.25 A	
Rated output power	6 W		
Input voltage range	220-240 VAC		
No-load power consumption	< 0.5 W	< 0.3 W	
Power factor correction	No		
Power factor (λ)	> 0.5		At 240 VAC and full load
Efficiency	> 80%		At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (105-150%) SCP	OCP (120-145%) SCP	Rectangular characteristic
Output: overvoltage (OVP)	16 V	36 V	
Transient voltage protection	Yes		MOV
Working temperature range	–20℃ to +50℃		
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	67 x 31 x 21 mm		L × W × H
Weight	26 g	32 g	
Input connector	Terminal block		
Output connector	Terminal block		
Enclosure	White ABS plastic		

LN-12

FEATURES:

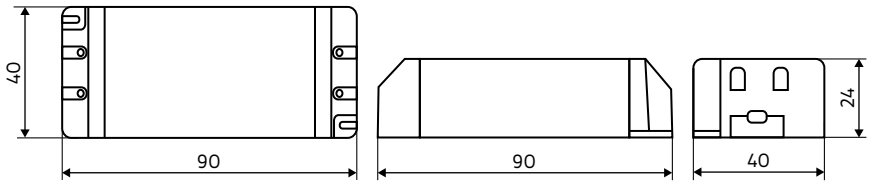
- compact design
- reliable and powerful
- high efficiency
- compliant with international lighting standards
- fully protected
- durable and robust unit
- easy to mount case

APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- stage LED lighting
- digital signage systems
- architectural LED lighting
- emergency lighting

LN-12 are universal 12-watt power supplies dedicated to low-power LED lighting systems. They are characterized by excellent build quality and meet the requirements of harmonized standards. Their design is based on high-quality electronic components that allow continuous and long-term performance in all conditions. These power supplies are characterized by reliability, full protection and stability of operation.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LN-1212	LN-1224	Conditions
Rated output voltage	12 V	24 V	
Rated output current	1 A	0.5 A	
Rated output power	12 W		
Input voltage range	220-240 VAC		
No-load power consumption	< 0.5 W	< 0.3 W	
Power factor correction	No		
Power factor (λ)	> 0.5		At 240 VAC and full load
Efficiency	> 80%	73%	At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (105-150%) SCP	OCP (115-150%) SCP	Rectangular characteristic
Output: overvoltage (OVP)	16 V	36 V	
Transient voltage protection	Yes		MOV
Working temperature range	–20℃ to +50℃		
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	90 x 40 x 24 mm		L × W × H
Weight	50 g	51 g	
Input connector	Terminal block		
Output connector	Terminal block		
Enclosure	White ABS plastic		

LN-36

FEATURES:

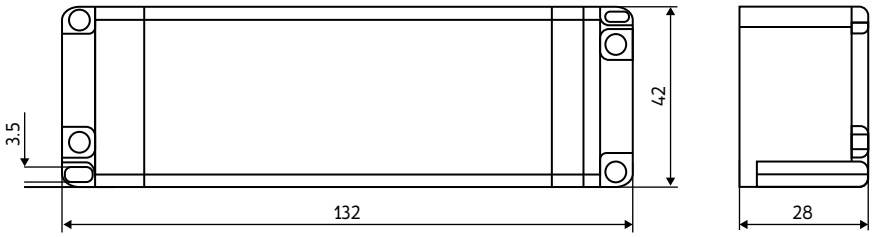
- compact design
- high output power
- based on high-end electronic components
- fully protected
- low surge current
- trimmer
- perforated housing
- LED indicator light
- double output terminals

APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- stage LED lighting
- digital signage systems
- architectural LED lighting
- emergency lighting

LN-36 are universal 36-watt power supplies dedicated to low-power LED lighting systems. They are characterized by excellent build quality and meet the requirements of harmonized standards. Their design is based on high-quality electronic components that allow continuous and long-term work in all conditions. These power supplies are characterized by reliability, full protection and stability of operation.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LN-3612	LN-3624	Conditions
Rated output voltage	12 V	24 V	
Rated output current	3 A	1.5 A	
Rated output power	36 W		
Input voltage range	220-240 VAC		
No-load power consumption	< 0.5 W	< 0.3 W	
Power factor correction	Yes		
Power factor (λ)	> 0.9		At 240 VAC and full load
Efficiency	> 85%	83%	At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (105-150%) SCP	OCP (115-150%) SCP	Rectangular characteristic
Output: overvoltage (OVP)	16 V	36 V	
Transient voltage protection	Yes		MOV
Working temperature range	–10°C to +40°C	–20°C to +50°C	
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	132 x 42 x 28 mm		L × W × H
Weight	140 g	132 g	
Input connector	Terminal block		
Output connector	Terminal block		
Enclosure	White ABS plastic		

LN-60

FEATURES:

- compact design
- reliable and powerful
- high efficiency
- compliant with international lighting standards
- fully protected
- durable and robust unit
- easy to mount case

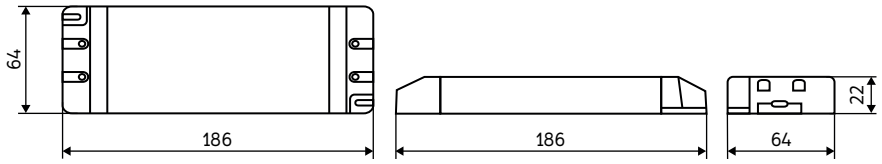
APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- stage LED lighting
- digital signage systems
- architectural LED lighting
- emergency lighting

5 YEARS WARRANTY

LN-60 are universal 60-watt power supplies designed for LED lighting systems. They are characterized by excellent build quality, meet the requirements of harmonized standards and provide high output power. Their design is based on electronic components of the highest quality, which allow continuous and reliable work in all conditions. These power supplies are characterized by reliability, full protection and stability of operation.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LN-6012	LN-6024	Conditions
Rated output voltage	12 V	24 V	
Rated output current	5 A	2.5 A	
Rated output power	60 W		
Input voltage range	220-240 VAC		
No-load power consumption	< 0.5 W	< 0.3 W	
Power factor correction	Yes		
Power factor (λ)	> 0.9		At 240 VAC and full load
Efficiency	> 80%	86%	At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (105-150%) SCP	OCP (115-150%) SCP	Rectangular characteristic
Output: overvoltage (OVP)	16 V	36 V	
Transient voltage protection	Yes		MOV
Working temperature range	–10°C to +40°C	–20°C to +50°C	
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	186 x 64 x 22 mm		L × W × H
Weight	158 g	195 g	
Input connector	Terminal block		
Output connector	Terminal block		
Enclosure	White ABS plastic		

LN-100

FEATURES:

- compact design
- high output power
- based on high-end electronic components
- fully protected
- low surge current
- trimmer
- perforated housing
- LED indicator light
- double output terminals

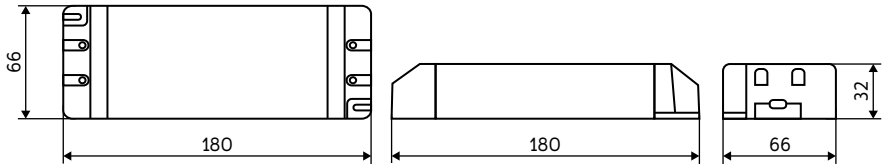
APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- stage LED lighting
- digital signage systems
- architectural LED lighting
- emergency lighting

5 YEARS WARRANTY

LN-100 are universal 100-watt power supplies designed for LED lighting systems. They are characterized by excellent build quality, meet the requirements of harmonized standards and provide high output power. Their design is based on electronic components of the highest quality, which allow continuous and reliable operation in all conditions. These power supplies are characterized by reliability, full protection and stability of work.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LN-10012	LN-10024	Conditions
Rated output voltage	12 V	24 V	
Rated output current	8.3 A	4.16 A	
Rated output power	100 W		
Input voltage range	220-240 VAC		
No-load power consumption	< 0,5 W	< 0,3 W	
Power factor correction	Yes		
Power factor (λ)	> 0.9		At 240 VAC and full load
Efficiency	> 80%	86%	At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (105-150%) SCP	OCP (120-150%) SCP	Rectangular characteristic
Output: overvoltage (OVP)	16 V	36 V	
Transient voltage protection	Yes		MOV
Working temperature range	–10°C to +40°C	–20°C to +50°C	
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	180 x 66 x 32 mm		L × W × H
Weight	320 g		
Input connector	Terminal block		
Output connector	Terminal block		
Enclosure	White ABS plastic		

LN-320

FEATURES:

- compact design
- reliable and powerful
- high efficiency
- compliant with international lighting standards
- fully protected
- durable and robust unit
- easy to mount case

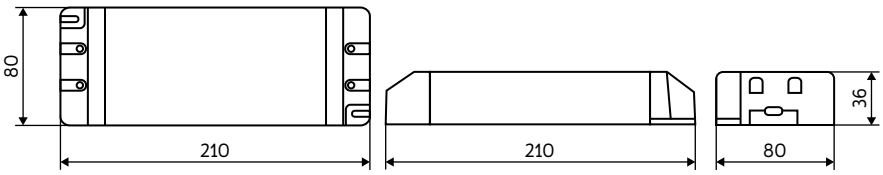
APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- stage LED lighting
- digital signage systems
- architectural LED lighting

5 YEARS WARRANTY

LN-320 are universal 320-watt power supplies designed for LED lighting systems. They are characterized by excellent build quality, meet the requirements of harmonized standards and provide high output power. Their design is based on electronic components of the highest quality, which allow continuous and reliable performance in all conditions. These power supplies are characterized by reliability, full protection and stability of work.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LN-32012	LN-32024	Conditions
Rated output voltage	12 V	24 V	
Rated output current	21.6 A	13.3 A	
Rated output power	260 W	320 W	
Input voltage range	220-240 VAC		
No-load power consumption	< 0.5 W	< 0.3 W	
Power factor correction	Yes		
Power factor (λ)	> 0.9		At 240 VAC and full load
Efficiency	92%	94%	At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (125-150%) SCP		Rectangular characteristic
Output: overvoltage (OVP)	19 V	36 V	
Transient voltage protection	Yes		MOV
Working temperature range	-10°C to +40°C	-20°C to +50°C	
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	210 x 80 x 36 mm		L × W × H
Weight	500 g		
Input connector	Terminal block		
Output connector	Terminal block		
Enclosure	White ABS plastic		

LP-06

FEATURES:

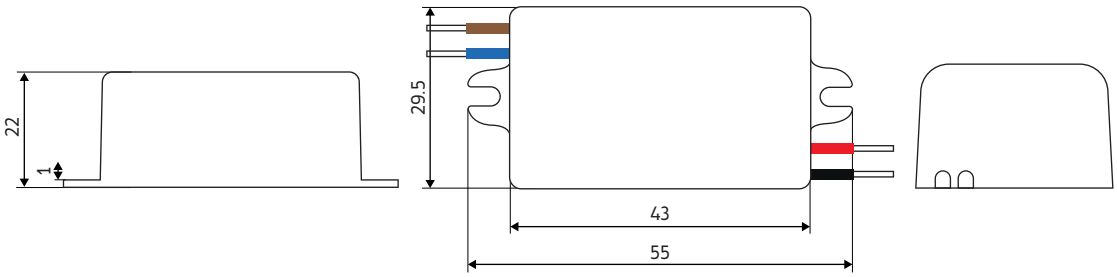
- compact design
- enclosure with IP67
- reliable and powerful
- high efficiency
- compliant with standards
- safe source of energy
- easy to mount

APPLICATIONS:

- general use in LED lighting
- indoor lighting LED systems
- lighting fixtures
- furniture and kitchen lighting

LP-06 are compact and efficient 6-watt power supplies designed for mounting in an installation box. They are characterized by excellent build quality and meet the requirements of harmonized standards. Their design is based on high-quality electronic components that ensure continuous and long-lasting operation in all conditions. These power supplies are distinguished by reliability, full protection and stability of operation. The housing provides full protection against dust and water (IP67). 5-year warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LP-0612	LP-0624	Conditions
Rated output voltage	12 V	24 V	
Rated output current	0.5 A	0.25 A	
Rated output power	6 W		
Input voltage range	220-240 VAC		
No-load power consumption	0.1 W		
Power factor correction	No		
Power factor (λ)	0.5		
Efficiency	79%		
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP		
Output: overcurrent (OCP), short circuit (SCP)	OCP (115-150%), SCP		OCP hiccup type (sampling)
Output: overvoltage (OVP)	16 V	32 V	Realized by the controller
Transient voltage protection	Yes		MOV protection
Working temperature range	–20°C to +50°C		
Safety compliance	EN62368-1		
EMC compliance	EN 55032:2015+A11:2020+A1:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021		
Dimensions	55 x 29.5 x 22 mm		L × W × H
Weight	45 g		
Input connector	PVC insulated wire 0.2 m		2 × 0.32 mm²
Output connector	PVC insulated wire 0.2 m		2 × 0.5 mm²
Enclosure	White ABS plastic		IP 67

LP-12

FEATURES:

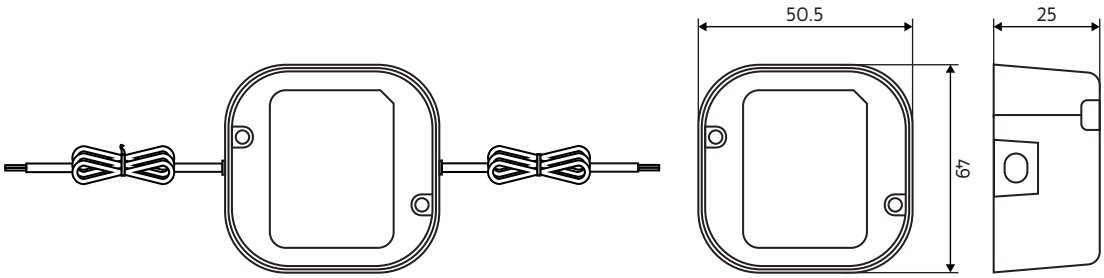
- compact design
- enclosure with IP67
- reliable and powerful
- high efficiency
- compliant with standards
- safe source of energy
- easy to mount

APPLICATIONS:

- general use in LED lighting
- indoor lighting LED systems
- lighting fixtures
- furniture and kitchen lighting

LP-12 are compact and efficient 6-watt power supplies designed for mounting in an installation box. They are characterized by excellent build quality and meet the requirements of harmonized standards. Their design is based on high-quality electronic components that ensure continuous and long-lasting operation in all conditions. These power supplies are distinguished by reliability, full protection and stability of operation. The housing provides full protection against dust and water (IP67). 5-year warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LP-1212	LP-1224	Conditions
Rated output voltage	12 V	24 V	
Rated output current	1.25 A	0.5 A	
Rated output power	15 W	12 W	
Input voltage range	220-240 VAC		
No-load power consumption	0.1 W		
Power factor correction	No		
Power factor (λ)	0.5		
Efficiency	85%		
Input: overvoltage (OVP), undervoltage (UVP)	OVP		
Output: overcurrent (OCP), short circuit (SCP)	OCP (115-150%), SCP		OCP hiccup type (sampling)
Output: overvoltage (OVP)	16 V	32 V	Realized by the controller
Transient voltage protection	Yes		MOV protection
Working temperature range	–20℃ to +50℃		
Safety compliance	EN62368-1		
EMC compliance	EN 55032:2015+A11:2020+A1:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021		
Dimensions	50.5 x 49 x 25 mm		L × W × H
Weight	96 g		
Input connector	PVC insulated wire 0.2 m		2 × 0.5 mm²
Output connector	PVC insulated wire 0.2 m		2 × 0.32 mm²
Enclosure	White ABS plastic		IP 67

LP-30

FEATURES:

- compact design
- enclosure with IP67
- reliable and powerful
- high efficiency
- compliant with standards
- safe source of energy
- easy to mount

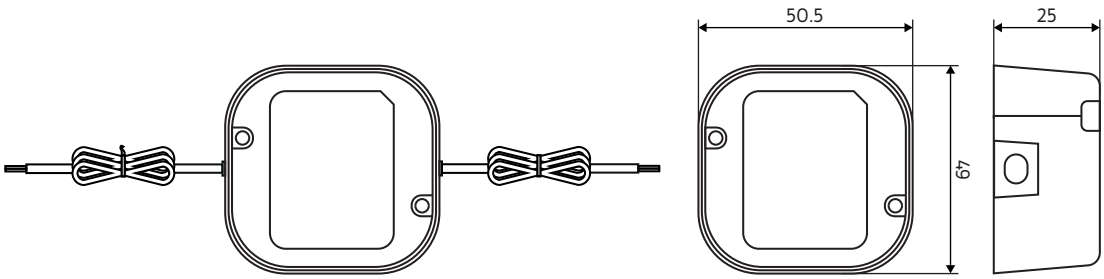
APPLICATIONS:

- general use in LED lighting
- indoor lighting LED systems
- lighting fixtures
- furniture and kitchen lighting

5 YEARS WARRANTY

LP-30 are compact and efficient 6-watt power supplies designed for mounting in an installation box. They are characterized by excellent build quality and meet the requirements of harmonized standards. Their design is based on high-quality electronic components that ensure continuous and long-lasting work in all conditions. These power supplies are distinguished by reliability, full protection and stability of operation. The housing provides full protection against dust and water (IP67). 5-year warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LP-3012	LP-3024	Conditions
Rated output voltage	12 V	24 V	
Rated output current	2.5 A	1.25 A	
Rated output power	30 W		
Input voltage range	220-240 VAC		
No-load power consumption	0.1 W		
Power factor correction	No		
Power factor (λ)	0.5		
Efficiency	89%	90%	
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP		
Output: overcurrent (OCP), short circuit (SCP)	OCP (120-140%), SCP		OCP hiccup type (sampling)
Output: overvoltage (OVP)	19 V	36 V	Realized by the controller
Transient voltage protection	Yes		MOV protection
Working temperature range	0°C to +50°C		
Safety compliance	EN62368-1		
EMC compliance	EN 55032:2015+A11:2020+A1:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021		
Dimensions	50.5 x 49 x 25 mm		L × W × H
Weight	100 g		
Input connector	PVC insulated wire 0.24 m		2 × 0.75 mm²
Output connector	PVC insulated wire 0.24 m		2 x 0.32 mm²
Enclosure	White ABS plastic		IP 67

LP-60

FEATURES:

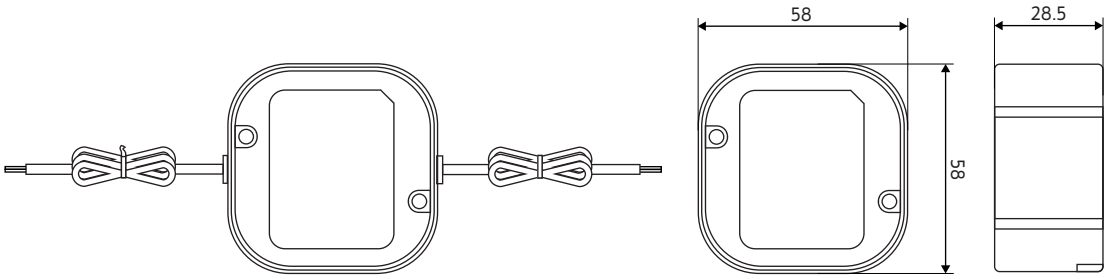
- compact design
- enclosure with IP67
- reliable and powerful
- high efficiency
- compliant with standards
- safe source of energy
- easy to mount

APPLICATIONS:

- general use in LED lighting
- indoor lighting LED systems
- lighting fixtures
- furniture and kitchen lighting

LP-60 are compact and efficient 6-watt power supplies designed for installation in a deepened installation box. They are characterized by excellent build quality and meet the requirements of harmonized standards. Their design is based on high-quality electronic components that ensure continuous and long-lasting operation in all conditions. These power supplies are distinguished by reliability, full protection and stability of operation. The housing provides full protection against dust and water (IP67). 5-year warranty included.

MECHANICAL SPECIFICATION



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VARIANTS

Parameter	LP-6012	LP-6024	Conditions
Rated output voltage	12 V	24 V	
Rated output current	5 A	2.5 A	
Rated output power	60 W		
Input voltage range	220-240 VAC		
No-load power consumption	0.1 W	0.15 W	
Power factor correction	No		
Power factor (λ)	0.5		
Efficiency	89%	90%	
Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP		
Output: overcurrent (OCP), short circuit (SCP)	OCP (120-140%), SCP		OCP hiccup type (sampling)
Output: overvoltage (OVP)	19 V	36 V	Realized by the controller
Transient voltage protection	Yes		MOV protection
Working temperature range	0°C to +40°C		
Safety compliance	EN62368-1		
EMC compliance	EN 55032:2015+A11:2020+A1:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021		
Dimensions	58 x 58 x 28.5 mm		L × W × H
Weight	150 g		
Input connector	PVC insulated wire 0.2 m		2 × 0.5 mm²
Output connector	PVC insulated wire 0.2 m		2 x 0.32 mm²
Enclosure	White ABS plastic		IP 67

LPF-24

FEATURES:

- compact design
- reliable and powerful
- high efficiency
- enclosure with IP67
- fully protected
- durable and robust unit
- easy to mount
- compliant with international lighting standards

APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- digital signage systems
- LED lighting
- architectural LED lighting
- emergency lighting

LPF-24 are high-efficiency 24-watt power supplies for LED lighting systems. They are characterized by high quality construction, meet the requirements of standards and provide high output power. Their design is based on high-quality electronic components that allow continuous, long-term work in all conditions. They are reliable, fully protected and stable. They provide high efficiency and excellent performance. The power supply housing provides full protection against dust and water (IP67).

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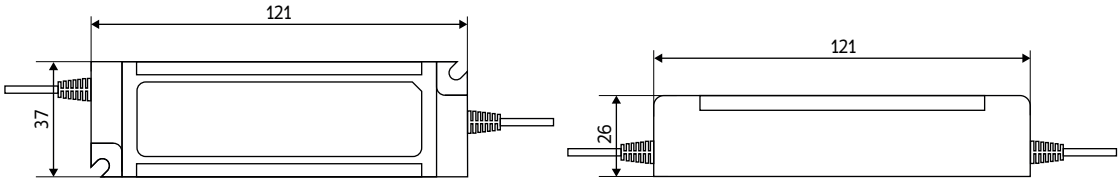
MECHANICAL SPECIFICATION



VARIANTS

Parameter	LPF-2412	LPF-2424	Conditions
Rated output voltage	12 V	24 V	
Rated output current	2 A	1 A	
Rated output power	24 W		
Input voltage range	100-240 VAC		
No-load power consumption	0.25 W		
Power factor correction	No		
Power factor (λ)	0.5		At 240 VAC and full load
Efficiency	84%		At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (115-150%) SCP		Rectangular characteristic
Output: overvoltage (OVP)	16 V	32 V	
Transient voltage protection	Yes		MOV protection
Working temperature range	–20°C to +50°C		
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	121 x 37 x 26 mm		L × W × H
Weight	188 g		
Input connector	PVC insulated wire 0.2 m		2 × 0.75 mm²
Output connector	PVC insulated wire 0.2 m		2 × 0.51 mm² UL2464
Enclosure	White ABS plastic		IP 67

LPF-36

FEATURES:

- compact design
- high efficiency
- enclosure with IP67
- fully protected
- durable and robust unit
- easy to mount
- compliant with international lighting standards

APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- digital signage systems
- LED lighting
- architectural LED lighting
- emergency lighting

LPF-36 are high-efficiency 36-watt power supplies for LED lighting systems. They are characterized by high quality construction, meet the requirements of standards and provide high output power. Their design is based on high-quality electronic components that allow continuous, long-term work in all conditions. They are reliable, fully protected and stable. They provide high efficiency and excellent performance. The power supply housing provides full protection against dust and water (IP67).

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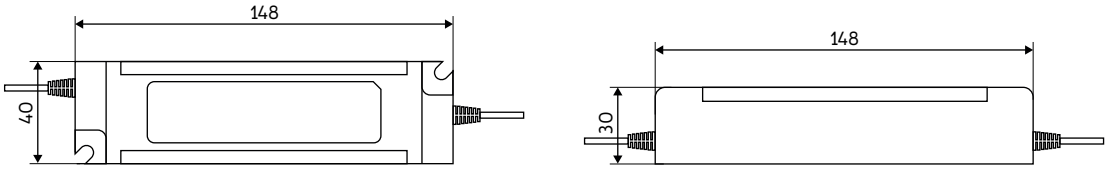
MECHANICAL SPECIFICATION



VARIANTS

Parameter	LPF-3612	LPF-3624	Conditions
Rated output voltage	12 V	24 V	
Rated output current	3 A	1.5 A	
Rated output power	36 W		
Input voltage range	200-240 VAC		
No-load power consumption	0.2 W		
Power factor correction	Yes		
Power factor (λ)	0.9		At 240 VAC and full load
Efficiency	84%	85%	At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (120-140%) SCP	OCP (115-150%) SCP	Rectangular characteristic
Output: overvoltage (OVP)	16 V	32 V	
Transient voltage protection	Yes		MOV protection
Working temperature range	–20℃ to +50℃		
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	148 x 40 x 30 mm		L × W × H
Weight	255 g	299 g	
Input connector	PVC insulated wire 0.2 m		2 × 0,75 mm²
Output connector	PVC insulated wire 0.2 m		2 × 0,51 mm² UL2464
Enclosure	White ABS plastic		IP 67

LPF-60

FEATURES:

- compact design
- reliable and efficient
- high efficiency
- enclosure with IP67
- fully protected
- durable and robust unit
- easy to mount
- compliant with international lighting standards

APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- digital signage systems
- LED lighting
- architectural LED lighting
- emergency lighting

LPF-60 are high-efficiency 60-watt power supplies for LED lighting systems. They are characterized by high quality construction, meet the requirements of standards and provide high output power. Their design is based on high-quality electronic components that allow continuous, long-term work in all conditions. They are reliable, fully protected and stable. They provide high efficiency and excellent performance. The power supply housing provides full protection against dust and water (IP67).

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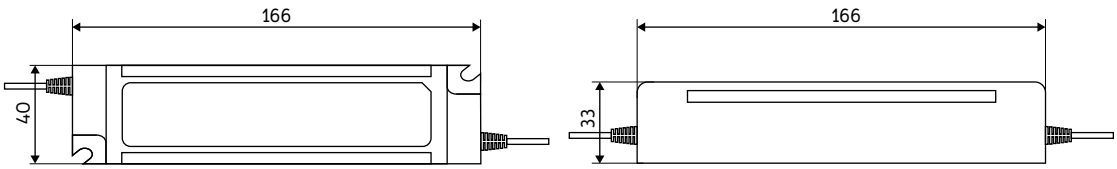
MECHANICAL SPECIFICATION



VARIANTS

Parameter	LPF-6012	LPF-6024	Conditions
Rated output voltage	12 V	24 V	
Rated output current	5 A	2.5 A	
Rated output power	60 W		
Input voltage range	200-240 VAC		
No-load power consumption	0.2 W		
Power factor correction	Yes		
Power factor (λ)	0.9		At 240 VAC and full load
Efficiency	86%	88%	At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (120-140%) SCP		Rectangular characteristic
Output: overvoltage (OVP)	16 V	32 V	
Transient voltage protection	Yes		MOV protection
Working temperature range	–20°C to +50°C		
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	166 x 40 x 33 mm		L × W × H
Weight	366 g	377 g	
Input connector	PVC insulated wire 0.2 m		2 × 0.75 mm2
Output connector	PVC insulated wire 0.2 m		2 × 0.51 mm2 UL2464
Enclosure	White ABS plastic		IP 67

LPF-100

FEATURES:

- compact design
- high efficiency
- enclosure with IP67
- fully protected
- durable and robust unit
- easy to mount
- compliant with international lighting standards

APPLICATIONS:

- general use in LED lighting
- retail and industrial lighting
- digital signage systems
- LED lighting
- architectural LED lighting
- emergency lighting

LPF-100 are high-efficiency 100-watt power supplies for LED lighting systems. They are characterized by high quality construction, meet the requirements of standards and provide high output power. Their design is based on high-quality electronic components that allow continuous, long-term operation in all conditions. They are reliable, fully protected and stable. They provide high efficiency and excellent performance. The power supply housing provides full protection against dust and water (IP67).

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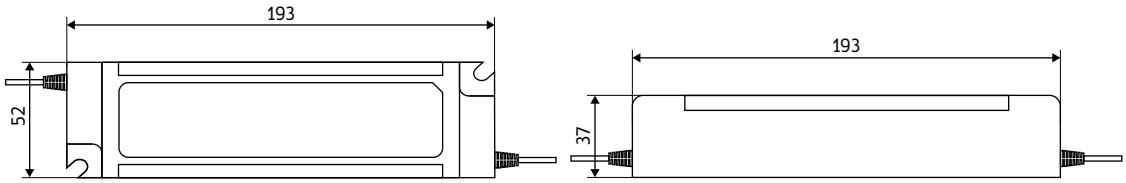
MECHANICAL SPECIFICATION

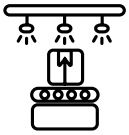


VARIANTS

Parameter	LPF-10012	LPF-10024	Conditions
Rated output voltage	12 V	24V	
Rated output current	8.33 A	4.16 A	
Rated output power	100 W		
Input voltage range	100-240 VAC		
No-load power consumption	0.2 W		
Power factor correction	Yes		
Power factor (λ)	0.9		At 240 VAC and full load
Efficiency	88%	88%	At 240 VAC and full load
Input: overvoltage (OVP), undervoltage (UVP)	(OVP)		
Output: overcurrent (OCP), short circuit (SCP)	OCP (115-150%) SCP		Rectangular characteristic
Output: overvoltage (OVP)	16 V	32 V	
Transient voltage protection	Yes		MOV protection
Working temperature range	–20℃ to +50℃		
Safety compliance	EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-6		
EMC compliance	EN55015, EN61000-3-2, -3-3, Class C, EN61547, EN61000-4-2, -4-5, Class C		
Dimensions	193 x 52 x 37 mm		L × W × H
Weight	614 g	605 g	
Input connector	PVC insulated wire 0.2 m		2 × 1 mm²
Output connector	PVC insulated wire 0.2 m		2 × 1.3mm²
Enclosure	White ABS plastic		IP 67

MODELS

No.	Series	Old model	New model	Name	EAN	Voltage [V]	Current [A]	Power [W]	Dimensions [mm]
LN series - LED power supplies (IP20)									
1.	LN	LN0612CV	LN-0612	LED ESPE LN 12V 0.5A 6W IP20 power supply	5904139602218	12	0.5	6	67 x 31 x 21
2.	LN	LN0624CV	LN-0624	LED ESPE LN 12V 0.25A 6W IP20 power supply	5904139602508	24	0.25	6	67 x 31 x 21
3.	LN	LNB1212CV	LN-1212	LED ESPE LN 12V 1A 12W IP20 power supply	5904139602225	12	1	12	90 x 40 x 24
4.	LN	LN1224CV	LN-1224	LED ESPE LN 24V 0.5A 12W IP20 power supply	5904139602515	24	0.5	12	90 x 40 x 24
5.	LN	LND3612CV	LN-3612	LED ESPE LN 12V 3A 36W IP20 power supply	5904139602232	12	3	36	132 x 42 x 28
6.	LN	LN3624CV	LN-3624	LED ESPE LN 24V 1.5A 36W IP20 power supply	5904139602539	24	1.5	36	132 x 42 x 28
7.	LN	LNF6012CV	LN-6012	LED ESPE LN 12V 5A 60W IP20 power supply	5904139602256	12	5	60	186 x 64 x 22
8.	LN	LN6024CV	LN-6024	LED ESPE LN 24V 2.5A 60W IP20 power supply	5904139602546	24	2.5	60	186 x 64 x 22
9.	LN	LNH10012CV	LN-10012	LED ESPE LN 12V 8.3A 100W IP20 power supply	5904139602263	12	8.3	100	180 x 66 x 32
10.	LN	LN10024CV	LN-10024	LED ESPE LN 24V 4.16A 100W IP20 power supply	5904139602553	24	4.16	100	180 x 66 x 32
11.	LN	LN32012CV	LN-32012	LED ESPE LN 12V 21.6A 260W IP20 power supply	5904139609767	12	21.6	260	210 x 80 x 36
12.	LN	LN32024CV	LN-32024	LED ESPE LN 24V 13.3A 320W IP20 power supply	5904139609774	24	13.3	320	310 x 80 x 36
LP series - box-mounted power supplies (IP67)									
13.	LP	LPA0612CV	LP-0612	ESPE LP 12V 0.5A 6W IP67 power supply	5904139602331	12	0.5	6	55 x 29.5 x 22
14.	LP	LPA0624CV	LP-0624	ESPE LP 24V 0.25A 6W IP67 power supply	5904139602348	24	0.25	6	55 x 29.5 x 22
15.	LP	LPB1212CV	LP-1212	ESPE LP 12V 1.25A 15W IP67 power supply	5904139602201	12	1.25	15	50.5 x 49 x 25
16.	LP	LPB1224CV	LP-1224	ESPE LP 24V 0.5A 12W IP67 power supply	5904139602355	24	0.5	12	50.5 x 49 x 25
17.	LP	LP3012CV	LP-3012	ESPE LP 12V 2.5A 30W IP67 power supply	5904139610084	12	2.5	30	50.5 x 46 x 25
18.	LP	LP3024CV	LP-3024	ESPE LP 24V 1.25A 30W IP67 power supply	5904139610091	24	1.25	30	50.5 x 49 x 25
19.	LP	LP-6012	LP-6012	ESPE LP 12V 5A 60W IP67 power supply	5904139613290	12	5	60	58 x 58 x 28.5
20.	LP	LP-6012	LP-6024	ESPE LP 24V 1.25A 60W IP67 power supply	5904139613283	24	2.5	60	58 x 58 x 28.5
LPF series- LED power supplies (IP67)									
21.	LPC	LPC2412CV	LPF-2412	LED ESPE LPF 12V 2A 24W IP67 power supply	5904139602362	12	2	24	121 x 37 x 26
22.	LPC	LPC2424CV	LPF-2424	LED ESPE LPF 24V 1A 24W IP67 power supply	5904139602379	24	1	24	121 x 37 x 26
23.	LPD	LPD3612CV	LPF-3612	LED ESPE LPF 12V 3A 36W IP67 power supply	5904139602409	12	3	36	148 x 40 x 30
24.	LPD	LPD3624CV	LPF-3624	LED ESPE LPF 24V 1.5A 36W IP67 power supply	5904139602416	24	1.5	36	148 x 40 x 30
25.	LPE	LPE6012CV	LPF-6012	LED ESPE LPF 12V 5A 60W IP67 power supply	5904139602423	12	5	60	166 x 40 x 33
26.	LPE	LPE6024CV	LPF-6024	LED ESPE LPF 24V 2.5A 60W IP67 power supply	5904139602430	24	2.5	60	166 x 40 x 33
27.	LPF	LPF10012CV	LPF-10012	LED ESPE LPF 12V 8.33A 100W IP67 power supply	5904139602447	12	8.33	100	193 x 52 x 37
28.	LPF	LP-10024	LPF-10024	LED ESPE LPF 24V 4.16A 100W IP67 power supply	5904139602454	24	4.16	100	193 x 52 x 37


Lighting systems in commerce and industry


Stage lighting


Visual advertising and digital signage


Architectural LED lighting


Emergency lighting


LED lighting

LED strips lights

LED strips are a popular light source for the realization of specialized lighting and interior illumination. It is a white strip of plastic covered from above with a layer of copper to provide an electrical connection, on which LEDs are mounted. From the bottom, the strip is covered with an adhesive that allows it to be easily mounted to the surface. LED strips can contain LEDs of different colors, such as warm and cold white or, for example, tricolor RGB, red, green, blue. These are mainly used for decoration. However, the most popular are the versions with white LEDs that are used to implement lighting. LED strips come in a variety of versions with diodes arranged in spots and along the entire length as so-called COB, strip width, voltage, light output and light parameters. Key factors that are related to quality include lifespan, light output per watt power, and functionality associated with the ability to integrate into luminaires. LED strips come in several versions differing in width (5, 8 and 10 mm), power supply voltage (12V, 24V), power supply per meter, luminous efficiency and performance (spot, COB). Another classification concerns hue (warm, neutral, cold), color (RGB, monochrome). There are also special executions (warm-cold), RGBW.

Our tapes are designed for professional applications. High color rendering index ensures faithful reproduction of the colors of illuminated objects. The tape is made of high-quality components on a double-sided flexible laminate, which provides longer life and better protection against damage. Selected LEDs from leading manufacturers give no blackouts, discoloration and color artifacts. The LEDs that are used guarantee an increased lifespan.

FEATURES:

- high light output and energy efficiency
- high durability and service life
- very good optical parameters
- CRI > 90
- color space (Colour Gamut Index) approx. 100
- compliance with:
  - Safety: EN62368-1, EN/IEC 62031
  - RoHS: EN 63000:2019-01

APPLICATIONS:

- ighting for advertisements, shop windows, display cases, and exhibitions
- decorative lighting for mirrors, shelves and furniture
- interior lighting – rooms, corridors
- lighting for plants and aquariums
- edge lighting of transparent plastics

LED strips lights series ELS 5/10/15

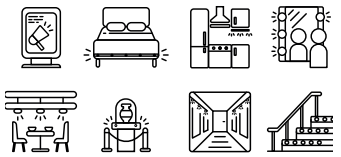
FEATURES::

- high light output and energy efficiency
- very short section cut length: 8.33 mm enabling the precise length adjustment to the installation conditions
- number of diodes – 120 LED/m
- width 8 mm
- very good optical parameters CRI >90
- high durability and service life – over 100 000 h at 25°C

APPLICATIONS:

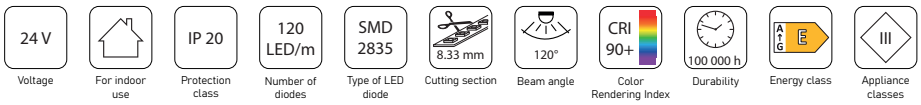
- lighting for advertisements, shop windows, display cases and exhibitions
- edge lighting of transparent plastics
- decorative lighting for mirrors, shelves and niches
- furniture and kitchen lighting
- interior lighting – rooms, corridors, residential and commercial spaces
- LED linear lighting systems in buildings
- staircase lighting
- museum and gallery lighting

ELS 5



7 YEARS WARRANTY

ELS 5 (4.8 W/m) are low-power SMD LED strips, ideal for decorative applications where high light intensity is not required. Thanks to the appropriate diode density (120 LEDs/m) and the use of a diffuser, they provide a uniform light line. A wide range of color temperatures (2300–6000K) allows precise adjustment of lighting to various needs and conditions, ensuring comfort and creating the right atmosphere in any situation. The high color rendering index (CRI > 90) guarantees accurate reproduction of the colors of illuminated objects. Premium-grade components and a flexible, double-sided laminate increase durability and resistance to mechanical damage. Carefully selected LEDs ensure high consistency in emission and color, as well as reliable operation even at elevated temperatures.



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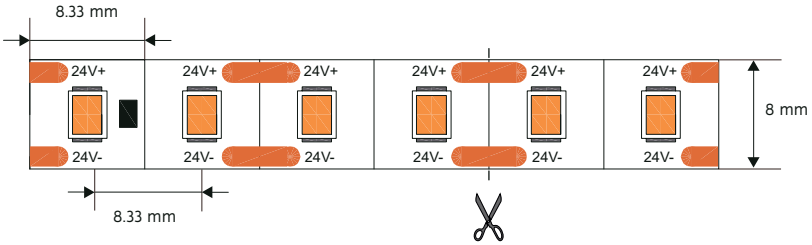
LED ARRANGEMENT ON THE TAPE



VARIANTS

Parameter	ELS-0524-23K20	ELS-0524-27K20	ELS-0524-30K20	ELS-0524-35K20	ELS-0524-40K20	ELS-0524-60K20
Rated power supply voltage	24 V					
Power consumption for 1 meter	4.8 W/m					
Current for 1 meter	0.2 A					
Light color	Ultrawarm	Very warm	Warm white	Neutral-warm	Neutral white	Cool
Correlated color temperature (CCT)	2300 K	2700 K	3000 K	3500 K	4000 K	6000K
Luminous flux per meter (typical)	530 lm/m	570 lm/m	620 lm/m	650 lm/m	670 lm/m	640 lm/m
Light output per watt (typical)	110 lm/W	120 lm/W	130 lm/W	135 lm/W	140 lm/W	134 lm/W
Color Rendering Index CRI (min)	90					
LED type	SMD2835					
Number of LEDs per meter	120					
Cutting section length	8.33 mm					
Tape width	8 mm					
Tape height	1.5 mm					
Minimum bent radius	60 mm					
Beam angle	120°					
Ingress protection class	IP 20					
Operating temperature range	–20 to +40°C					
Lifetime L80 at 25°C	100 000 h					
Declarations and certificates	CE, RoHS, UKCA, REACH					
Number of meters per roll	25 m					

TLED strips lights series ELS 5/10/15

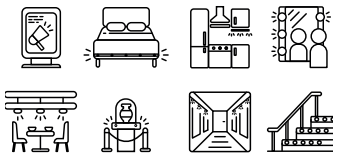
FEATURES::

- high light output and energy efficiency
- very short section cut length: 8.33 mm enabling the precise length adjustment to the installation conditions
- number of diodes – 120 LED/m
- width 8 mm
- very good optical parameters CRI >90
- high durability and service life – over 100 000 h at 25°C

APPLICATIONS:

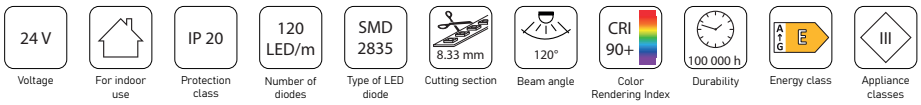
- lighting for advertisements, shop windows, display cases and exhibitions
- edge lighting of transparent plastics
- decorative lighting for mirrors, shelves and niches
- furniture and kitchen lighting
- interior lighting – rooms, corridors, residential and commercial spaces
- LED linear lighting systems in buildings
- staircase lighting
- museum and gallery lighting

ELS 10



7 YEARS WARRANTY

ELS 10 (9.6 W/m) are medium-power SMD LED strips, ideal for decorative applications where high light intensity is not required. Thanks to the appropriate diode density (120 LEDs/m) and the use of a diffuser, they provide a uniform light line. A wide range of color temperatures (2300–6000K) allows precise adjustment of lighting to various needs and conditions, ensuring comfort and creating the right atmosphere in any situation. The high color rendering index (CRI > 90) guarantees accurate reproduction of the colors of illuminated objects. Premium-grade components and a flexible, double-sided laminate increase durability and resistance to mechanical damage. Carefully selected LEDs ensure high consistency in emission and color, as well as reliable operation even at elevated temperatures.



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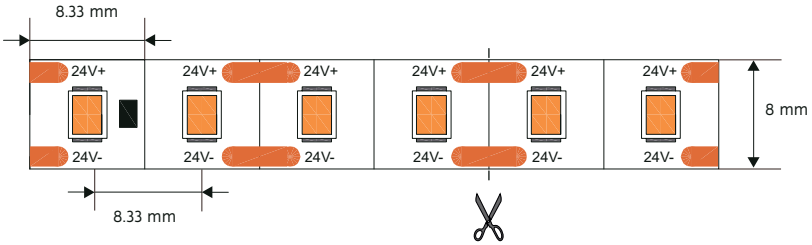
LED ARRANGEMENT ON THE TAPE



VARIANTS

Parameter	ELS-1024-23K20	ELS-1024-27K20	ELS-1024-30K20	ELS-1024-35K20	ELS-1024-40K20	ELS-1024-60K20
Rated power supply voltage	24 V					
Power consumption for 1 meter	9.6 W/m					
Current for 1 meter	0.4 A					
Light color	Ultrawarm	Very warm	Warm white	Neutral-warm	Neutral white	Cool
Correlated color temperature (CCT)	2300 K	2700 K	3000 K	3500 K	4000 K	6000K
Luminous flux per meter (typical)	1000 lm/m	1100 lm/m	1220 lm/m	1240 lm/m	1300 lm/m	1260 lm/m
Light output per watt (typical)	105 lm/W	117 lm/W	127 lm/W	129 lm/W	136 lm/W	131 lm/W
Color Rendering Index CRI (min)	90					
LED type	SMD2835					
Number of LEDs per meter	120					
Cutting section length	8.33 mm					
Tape width	8 mm					
Tape height	1.5 mm					
Minimum bent radius	60 mm					
Beam angle	120°					
Ingress protection class	IP 20					
Operating temperature range	–20 to +40°C					
Lifetime L80 at 25°C	100 000 h					
Declarations and certificates	CE, RoHS, UKCA, REACH					
Number of meters per roll	25 m					

LED strips lights series ELS 5/10/15

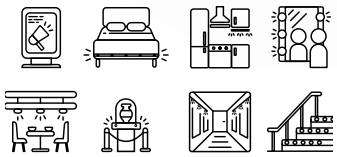
FEATURES:

- high light output and energy efficiency
- very short section cut length: 6.25 mm enabling the precise length adjustment to the installation conditions
- number of diodes – 160 LED/m
- width 8 mm
- very good optical parameters CRI >90
- high durability and service life – over 100 000 h at 25°C

APPLICATIONS:

- lighting for advertisements, shop windows, display cases and exhibitions
- edge lighting of transparent plastics
- decorative lighting for mirrors, shelves and niches
- furniture and kitchen lighting
- interior lighting – rooms, corridors, residential and commercial spaces
- LED linear lighting systems in buildings
- staircase lighting
- museum and gallery lighting

ELS 15



7 YEARS WARRANTY

ELS 15 (14.4 W/m) are medium-power SMD LED strips, ideal for decorative applications where high light intensity is not required. Thanks to the appropriate diode density (160 LEDs/m) and the use of a diffuser, they provide a uniform light line. A wide range of color temperatures (2300–6000K) allows precise adjustment of lighting to various needs and conditions, ensuring comfort and creating the right atmosphere in any situation. The high color rendering index (CRI > 90) guarantees accurate reproduction of the colors of illuminated objects. Premium-grade components and a flexible, double-sided laminate increase durability and resistance to mechanical damage. Carefully selected LEDs ensure high consistency in emission and color, as well as reliable operation even at elevated temperatures.

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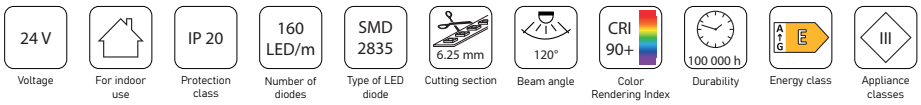
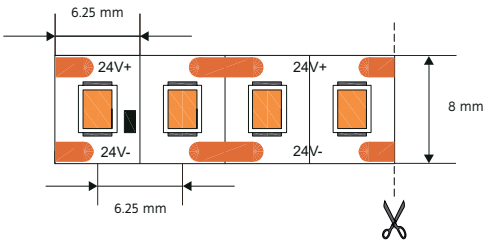


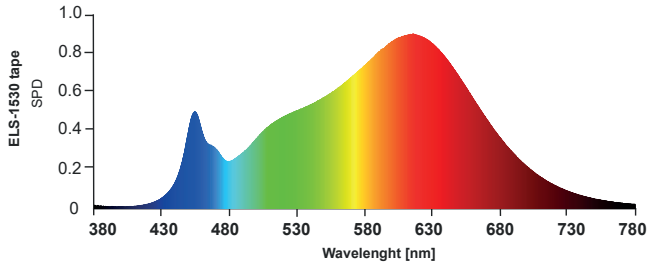
LED ARRANGEMENT ON THE TAPE

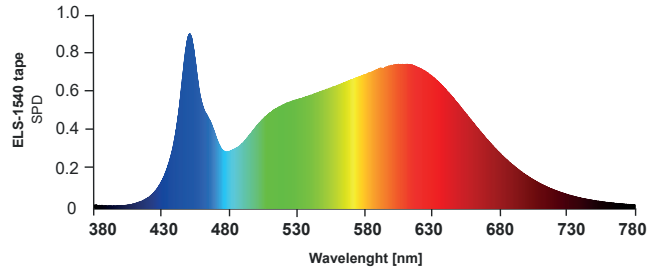


VARIANTS

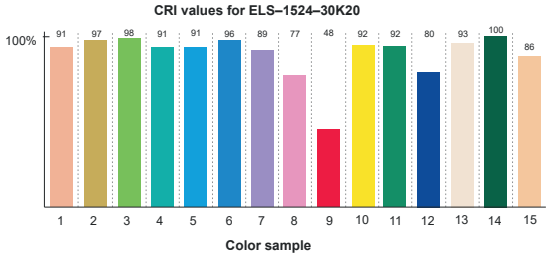
Parameter	ELS-1524-23K20	ELS-1524-27K20	ELS-1524-30K20	ELS-1524-40K20	ELS-1524-60K20
Rated power supply voltage	24 V				
Power consumption for 1 meter	14.4 W/m				
Current for 1 meter	0.6 A				
Light color	Ultrawarm	Very warm	Warm white	Neutral white	Cool
Correlated color temperature (CCT)	2300 K	2700 K	3000 K	4000 K	6000K
Luminous flux per meter (typical)	1675 lm/m	1675 lm/m	1820 lm/m	1950 lm/m	1875 lm/m
Light output per watt (typical)	115 lm/W	115 lm/W	125 lm/W	134 lm/W	129 lm/W
Color Rendering Index CRI (min)	90				
LED type	SMD2835				
Number of LEDs per meter	160				
Cutting section length	6.25 mm				
Tape width	8 mm				
Tape height	1.5 mm				
Minimum bent radius	60 mm				
Beam angle	120°				
Ingress protection class	IP 20				
Operating temperature range	–20 to +40°C				
Lifetime L80 at 25°C	100 000 h				
Declarations and certificates	CE, RoHS, UKCA, REACH				
Number of meters per roll	25 m				

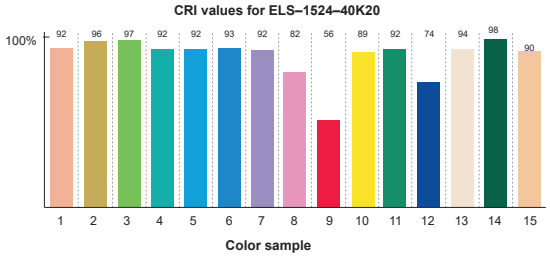
SPECTRAL ENERGY DISTRIBUTION





CRI COMPONENT VALUES





MODELS

No.	Model	Name	EAN	Voltage [V]	Current [A]	Power [W]
		LED strips lights series SMD ELS 5				
1.	ELS-0524-23K20	SMD 120 LED/m 4.8W/m 24V 2300K IP20 CRI>90 8mm 7 years warranty	5904139613566	24	0.2	4.8
2.	ELS-0524-27K20	SMD 120 LED/m 4.8W/m 24V 2700K IP20 CRI>90 8mm 7 years warranty	5904139613573	24	0.2	4.8
3.	ELS-0524-30K20	SMD 120 LED/m 4.8W/m 24V 3000K IP20 CRI>90 8mm 7 years warranty	5904139613337	24	0.2	4.8
4.	ELS-0524-35K20	SMD 120 LED/m 4.8W/m 24V 3500K IP20 CRI>90 8mm 7 years warranty	5904139613580	24	0.2	4.8
5.	ELS-0524-40K20	SMD 120 LED/m 4.8W/m 24V 4000K IP20 CRI>90 8mm 7 years warranty	5904139613344	24	0.2	4.8
6.	ELS-0524-60K20	SMD 120 LED/m 4.8W/m 24V 6000K IP20 CRI>90 8mm 7 years warranty	5904139613597	24	0.2	4.8
		LED strips lights series SMD ELS 10				
7.	ELS-1024-23K20	SMD 120 LED/m 9.6 W/m 24V 2300K IP20 CRI>90 8mm 7 years warranty	5904139613603	24	0.4	9.6
8.	ELS-1024-27K20	SMD 120 LED/m 9.6 W/m 24V 2700K IP20 CRI>90 8mm 7 years warranty	5904139613610	24	0.4	9.6
9.	ELS-1024-30K20	SMD 120 LED/m 9.6 W/m 24V 3000K IP20 CRI>90 8mm 7 years warranty	5904139613368	24	0.4	9.6
10..	ELS-1024-35K20	SMD 120 LED/m 9.6 W/m 24V 3500K IP20 CRI>90 8mm 7 years warranty	5904139613627	24	0.4	9.6
11.	ELS-1024-40K20	SMD 120 LED/m 9.6 W/m 24V 4000K IP20 CRI>90 8mm 7 years warranty	5904139613375	24	0.4	9.6
12.	ELS-1024-60K20	SMD 120 LED/m 9.6 W/m 24V 6000K IP20 CRI>90 8mm 7 years warranty	5904139613634	24	0.4	9.6
		LED strips lights series SMD ELS 15				
13.	ELS-1524-23K20	SMD 160 LED/m 14.4 W/m 24V 2300K IP20 CRI>90 8mm 7 years warranty	5904139613641	24	0.6	14.4
14.	ELS-1524-27K20	SMD 160 LED/m 14.4 W/m 24V 2700K IP20 CRI>90 8mm 7 years warranty	5904139613658	24	0.6	14.4
15.	ELS-1524-30K20	SMD 160 LED/m 14.4 W/m 24V 3000K IP20 CRI>90 8mm 7 years warranty	5904139613382	24	0.6	14.4
16.	ELS-1524-40K20	SMD 160 LED/m 14.4 W/m 24V 4000K IP20 CRI>90 8mm 7 years warranty	5904139613399	24	0.6	14.4
17.	ELS-1524-60K20	SMD 160 LED/m 14.4 W/m 24V 6000K IP20 CRI>90 8mm 7 years warranty	5904139613665	24	0.6	14.4


Visual advertising and digital signage


Furniture lighting


Kitchen lighting


Decorative lighting for mirrors, shelves and niches


Building LED lighting systems


Museum and gallery lighting


Interior lighting


Staircase lighting

LED strips lights series COB

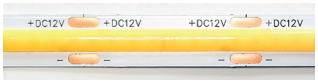
ELC 6

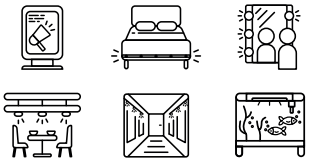
FEATURES:

- high light output and energy efficiency
- very good optical parameters
- CRI >90
- high durability and service life – (over 100 000 h at 25°C)
- color space (Colour Gamut Index) 98

APPLICATIONS:

- lighting for advertisements, shop windows,display cases and bars
- edge lighting of transparent plastics
- decorative lighting for mirrors, shelves
- furniture lighting
- interior lighting – rooms, corridors
- lighting for plants and aquariums





5 YEARS WARRANTY

ELC 6 are low-power (6 W/m) LED strips designed for decorative applications. A very high CRI color rendering index ensures faithful reproduction of the colors of the illuminated objects. It is made of high-quality components on a double-sided flexible laminate, which provides longer service life and better protection against mechanical damage. COB LEDs (320 diodes per meter) ensure even distribution of light, no blackouts, discoloration and color artifacts. The tape guarantees long service life and long-term trouble-free operation even at elevated temperatures.

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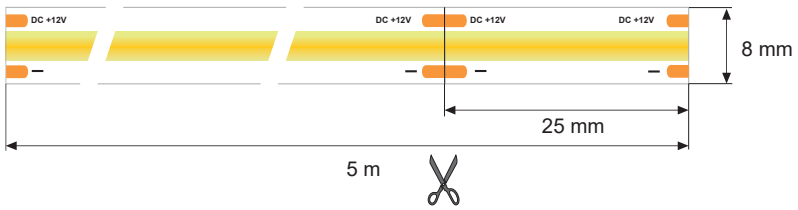
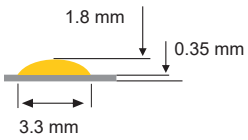
LED ARRANGEMENT ON THE TAPE





VARIANTS

Parameter	ELC-0612-30K20	ELC-0612-40K20
Rated power supply voltage	12 VDC	
Power consumption for 1 meter	6 W/m	
Current for 1 meter	0.5 A	
Light color	Warm	Neutral
Correlated color temperature (CCT)	3000-3200 K	4100-4300 K
Luminous flux per meter (typical)	550 lm/m	585 lm/m
Light output per watt (typical)	85 lm/W	95 lm/W
Color Rendering Index CRI (min)	92-93	
LED type	COB LED	
Number of LEDs per meter	320	
Cutting section length	25 mm	
Tape width	8 mm	
Tape height	1.8 mm	
Beam angle	140°	
Ingress protection class	IP 20	
Operating temperature range	–20 to +45°C	
Lifetime L80 at 25°C	> 100 000 h	
Declarations and certificates	CE, RoHS, UKCA, REACH	
Number of meters per roll	10 m	
EAN	5904139610282	5904139610299

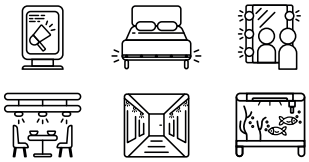
ELC 10

FEATURES:

- high light output and energy efficiency
- very good optical parameters
- CRI >90
- high durability and service life – (over 100 000 h at 25°C)
- color space (Colour Gamut Index) approx. 100

APPLICATIONS:

- lighting for advertisements, shop windows,display cases and bars
- edge lighting of transparent plastics
- decorative lighting for mirrors, shelves
- furniture lighting
- interior lighting – rooms, corridors
- lighting for plants and aquariums



5 YEARS WARRANTY

ELC 10 are high quality LED strips with power 9.6 W/m designed for general uses. A very high CRI color rendering index ensures faithful reproduction of the colors of the illuminated objects. It is made of high-quality components on a double-sided flexible laminate, which provides longer service life and better protection against mechanical damage. COB LEDs (480 diodes per meter) ensure even distribution of light, no blackouts, discoloration and color artifacts. The tape guarantees long service life and long-term trouble-free operation even at elevated temperatures.

Scan or visit:
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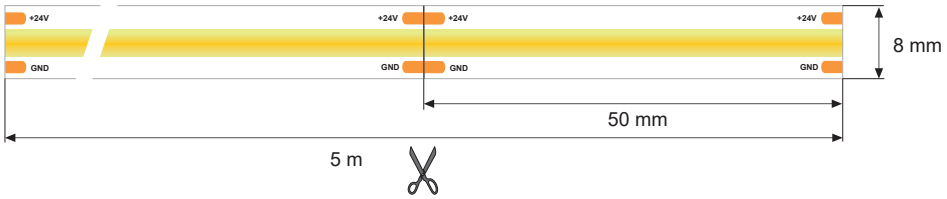
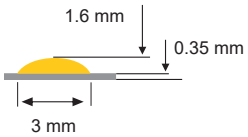
LED ARRANGEMENT ON THE TAPE

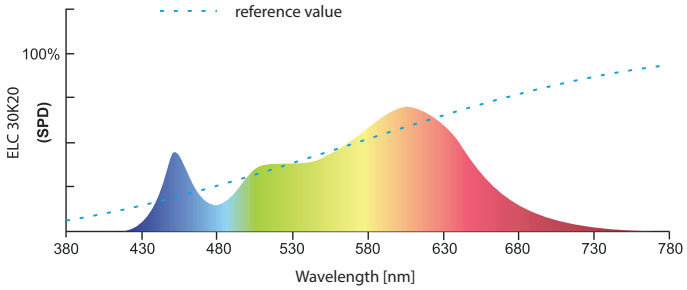


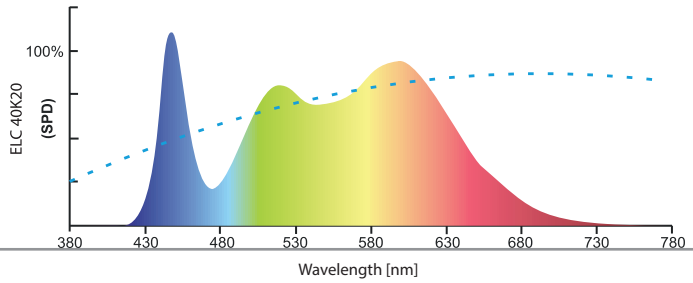


VARIANTS

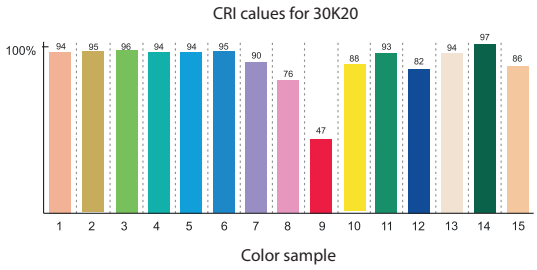
Parameter	ELC-1024-30K20	ELC-1024-40K20
Rated power supply voltage	24 VDC	
Power consumption for 1 meter	9.6 W/m	
Current for 1 meter	0.4 A	
Light color	Warm	Neutral
Correlated color temperature (CCT)	3000-3200 K	4000-4200 K
Luminous flux per meter (typical)	920 lm/m	950 lm/m
Light output per watt (typical)	88 lm/W	91 lm/W
Color Rendering Index CRI (min)	92-93	
LED type	COB LED	
Number of LEDs per meter	480	
Cutting section length	50 mm	
Tape width	8 mm	
Tape height	1.6 mm	
Beam angle	140°	
Ingress protection class	IP 20	
Operating temperature range	–20 to +45°C	
Lifetime L80 at 25°C	> 100.000 h	
Declarations and certificates	CE, RoHS, UKCA, REACH	
Number of meters per roll	10 m	
EAN	5904139610305	5904139610312

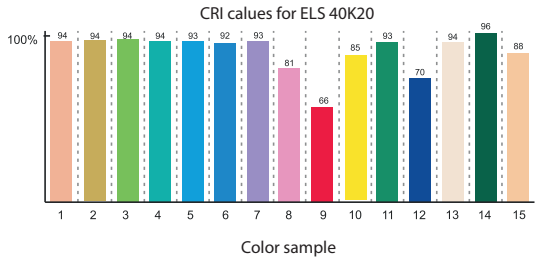
SPECTRAL ENERGY DISTRIBUTION





CRI COMPONENT VALUES





MODELS

No.	Model	Name	EAN	Voltage [V]	Current [A]	Power [W]
		LED strips lights series COB ELC 6				
1.	ELC-0612-30K20	COB 320 LED/m 6 W/m 12V 3000K IP20 CRI>90 8mm 5 years warranty	5904139610282	12	0.5	6
2.	ELC-0612-40K20	COB 320 LED/m 6 W/m 12V 4000K IP20 CRI>90 8mm 5 years warranty	5904139610299	12	0.5	6
		LED strips lights series COB ELC 10				
3.	ELC-1024-30K20	COB 480 LED/m 10 W/m 24V 3000K IP20 CRI>90 8mm 5 years warranty	5904139610305	24	0.4	9.6
4.	ELC-1024-40K20	COB 480 LED/m 10 W/m 24V 4000K IP20 CRI>90 8mm 5 years warranty	5904139610312	24	0.4	9.6

Visual advertising and digital signage

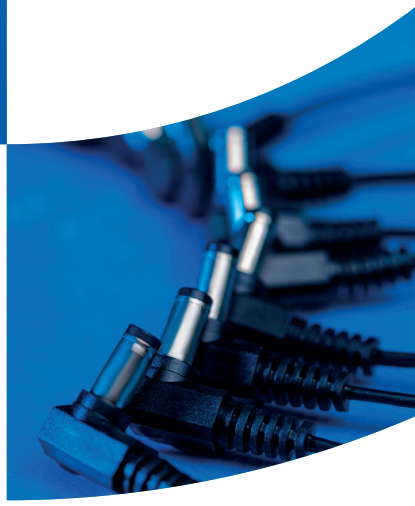
Furniture lighting

Decorative lighting for mirrors, shelves and niches

Building LED lighting systems

Plant and aquarium lighting

Interior lighting



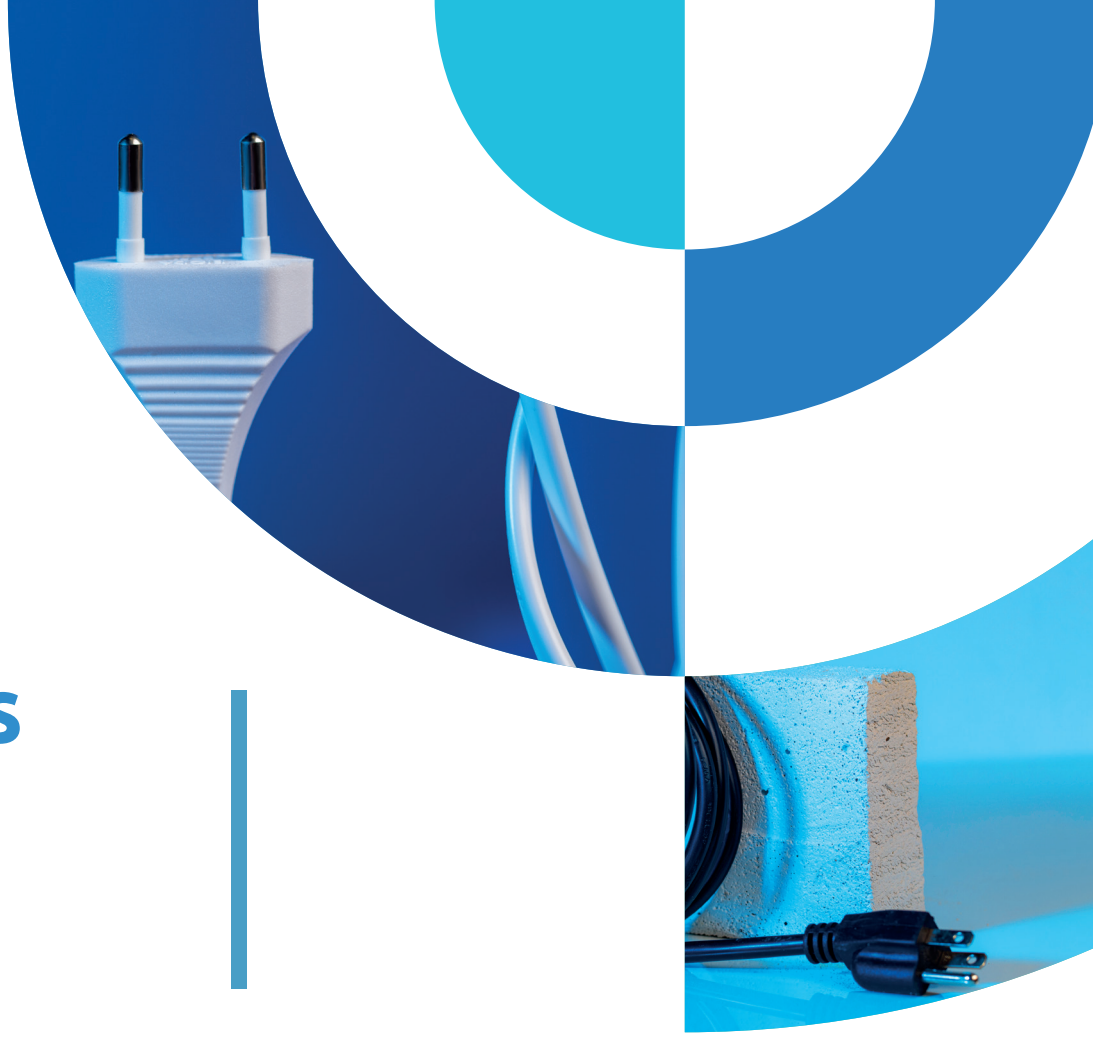
Low-voltage DC cables

DC cables ensure a low voltage drop between the energy source and the consumer and protect against short circuits. The lower the output voltage and the higher the current in the application, the more important is the copper conductor cross-section and the quality of the cable. The cable must be flexible in order to fit comfortably in the installation, furniture trays and to be able to be fastened and arranged. Thick and rigid cable is a hindrance especially at low temperatures, because of which low-cost plastics harden noticeably. Stiff cables are more vulnerable to mechanical damage. The cable must be mechanically resistant to damage, i.e. have abrasion-resistant, mechanically robust insulation to prevent from short-circuits in everyday use. Bending dampers must be fitted at the jack plug and housing.

DC cables are available in 2-wire round and flat versions and DC jack plugs are installed at the end. The copper conductor cross-section ranges from 0.25 to 1.5 mm2. The cables comply with the requirements of safety standards and have puncture- and temperature-resistant insulation.

CHARACTERISTICS:

- Safety
- Flexibility even at low ambient temperatures
- Made of high-quality copper
- Compliant with RoHS and standard requirements:
  - Safety IEC/UL 62368-1
  - Flammability IEC 60332-1



AC mains cables

AC mains cables have two or three wires and are designed to connect the appliance to the mains. The type of plug depends on the country of destination and the design of the power supply - the one on the mains side must comply with the IEC standard in force in the country concerned, the plug on the appliance side matches the socket and contains 2 or 3 pins. The internal construction of the cable and the cross-sections of the wires must comply with safety standards, the same applies to the thickness and quality of the insulation. The requirements written in the standards are quite strict, so as a rule AC cables are quite thick and stiff, especially the 3-wire ones. Hence, it is crucial for the user to choose a manufacturer that uses high-quality plastic materials with added silicones, because these make even thick AC cables both soft and safe without changing their qualities even at low temperatures.

Network cables are manufactured in lengths of 1 to 5 metres and in 2- or 3-wire versions. IEC plugs are fitted at the ends. The copper conductor cross-section ranges from 0.5 to 1.5 mm^2. The cables comply with the requirements of safety standards and have insulation that is resistant to punctures and elevated temperatures.

CHARACTERISTICS:

- Safety
- Flexibility even at low ambient temperatures
- Made of high-quality copper
- Compliant with RoHS and standard requirements:
  - Connector requirements IEC 60320-1
  - Safety IEC/UL 62368-1
  - Flammability IEC 60332-1

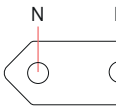
BDKAB-EU-T2, W-BDKAB-EU-T2

TECHNICAL CHARACTERISTICS

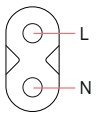
Parameter	Value	
Type	Power cable for electrical and electronic devices	
Model	W-BDKAB/BDKAB - EU - T2 - xxM	
Shape	Flat	
Safety	Class II insulation (without grounding)	
Color	Black / White	
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m	
Mounting	Potting assembly	
Number of wires	2	
Wire colors	Brown, blue	
Conductor cross-section	0.75 mm²	*standard execution
	0.5 mm²	*special execution
	*for: W-BDKAB/BDKAB-EU-T2-1.2M	
Wire material	Class 5 copper	
Type	H03VVH2-F	
Cable voltage withstand (Uo/U)	300 / 300 V	
Rated voltage	250 VAC / 50 Hz	
Rated current	2.5 A	
Power plug type	Straight	
Mains plug	CEE 7/16 (C/E/F)	
Standard	European	
Plug color	Black / White	
Device plug	Straight	
Type	C7	
Plug color	Black / White	

- **MAINS PLUG** - The CEE 7/16 (C/E/F) standard mains plug is a mains connection without grounding, compatible with C, E (French) and F (Schuko , German) type mains sockets. It is mainly used in devices with low current consumption (up to 2.5 A). Due to no grounding, it is dedicated only for devices in protection class II (i.e. with reinforced insulation). Its slim and flat design makes it easy to connect in hard-to-reach places. The plug pins are nickel-plated, which ensures reliable electrical contact and provides protection against corrosion. The cable is secured by hot-melt plastic, which guarantees mechanical and environmental durability.

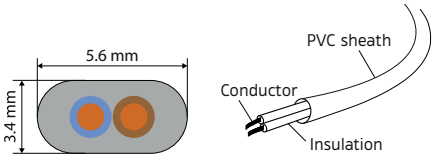
MECHANICAL SPECIFICATION



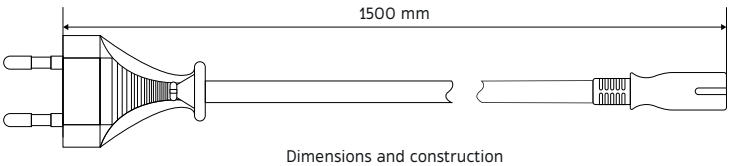
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C7 (T2) Plug is standardized by IEC (IEC 60320 C7) and widely used in electronic equipment with lower power requirements. It is used in desktop power supplies, printers, monitors, DVD players, televisions, as well as RTV and household appliances. The C7 plug performs a 2-wire connection (without grounding) and is intended for devices in protection class II that do not require PE. Its design is compact, which allows for easy and convenient connection to devices with standard sockets.

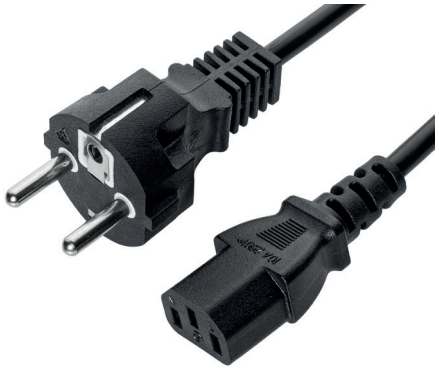
AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-EU-T2-1.2M	Power cable 1.2m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.5mm²	1.2	5904139602805
BDKAB-EU-T2-1.5M	Power cable 1.5m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	1.5	5904139602812
BDKAB-EU-T2-1.8M	Power cable 1.8m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	1.8	5904139602829
BDKAB-EU-T2-3.0M	Power cable 3.0m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	3.0	5904139602836
BDKAB-EU-T2-5.0M	Power cable 5.0m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm²	5.0	5904139602843
W-BDKAB-EU-T2-1.2M	Power cable 1.2m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.5mm² white	1.2	5904139606254
W-BDKAB-EU-T2-1.5M	Power cable 1.5m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm² white	1.5	
W-BDKAB-EU-T2-1.8M	Power cable 1.8m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm² white	1.8	5904139606261
W-BDKAB-EU-T2-3.0M	Power cable 3.0m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm² white	3.0	5904139606278
W-BDKAB-EU-T2-5.0M	Power cable 5.0m CEE 7/16 (C/E/F) (EU) [2.5A] - IEC C7 [2.5A]; H03VVH2-F 2×0.75mm² white	5.0	5904139606285

BDKAB-EU/EUL-P3/P3L

TECHNICAL CHARACTERISTICS

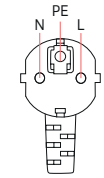
Parameter	Value	
Type	Power cable for electrical and electronic devices	
Model	BDKB - EU/EUL - P3/P3L - xxM	
Shape	Round	
Safety	Class I insulation (with grounding)	
Color	Black	
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m	
Mounting	Potting assembly	
Number of wires	3	
Wire colors	Brown, blue, yellow-green	
Conductor cross-section	0.75 mm²	*standard execution
	*1 mm²	*special execution
Wire material	Class 5 copper	
Type	H05VV-F	
Cable voltage withstand (Uo/U)	300 / 500 V	
Rated voltage	250 VAC / 50 Hz	
Rated current	10 A	
Power plug type	Straight / angular	
Mains plug	Schuko, CEE 7/7 (E/F)	
Standard	European	
Device plug	Straight / angular	
Type	C13	



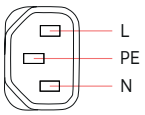
- **MAINS PLUG** - The CEE 7/7 (E/F) standard mains plug is a grounded mains connector, compatible with E (French) and F (Schuko , German) type mains sockets. The plug has two pins and a hole for the grounding clip, used in E-type sockets, and metal contact strips at the top and bottom, providing a connection to the protective grounding of F-type sockets. Nickel-plated pins guarantee reliable electrical contact. The plug is attached to the cable using the hot-melt plastic casting method, which ensures a tight, environmentally resistant, uniform and non-detachable connection with high mechanical durability

- **DEVICE PLUG** - C13 (P3) plug is a standardized IEC connector (IEC 60320 C13) and is widely used in medium and high-power electronic devices. It is used in desktop computers, servers, UPS power supplies, desktop power supplies, printers, monitors and RTV/AGD devices. It provides a 3-wire connection (with power earth), intended for devices in protection class I, i.e. requiring grounding. Its design prevents incorrect insertion into the socket, ensuring safety and protection against incorrect inserting.

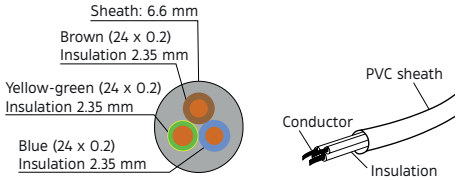
MECHANICAL SPECIFICATION



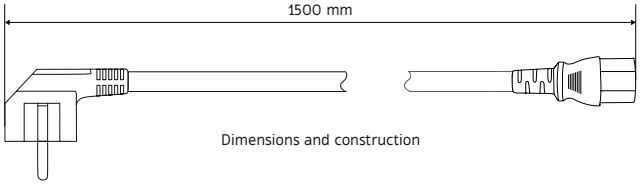
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

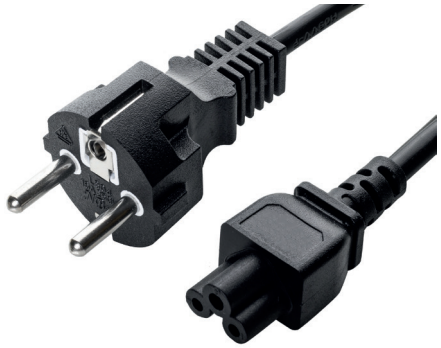
AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-EU-P3-1.2M	Power cable 1.2m CEE 7/7 (E/F) (EU) [16A] - IEC C13 [10A]; H05VV-F 3×0.75mm²	1.2	
BDKAB-EU-P3-1.5M	Power cable 1.5m CEE 7/7 (E/F) (EU) [16A] - IEC C13 [10A]; H05VV-F 3×0.75mm²	1.5	5904139602850
BDKAB-EU-P3-1.8M	Power cable 1.8m CEE 7/7 (E/F) (EU) [16A] - IEC C13 [10A]; H05VV-F 3×0.75mm²	1.8	5904139602867
BDKAB-EU-P3-3.0M	Power cable 3.0m CEE 7/7 (E/F) (EU) [16A] - IEC C13 [10A]; aH05VV-F 3×0.75mm²	3.0	5904139602874
BDKAB-EU-P3-5.0M	Power cable 5.0m CEE 7/7 (E/F) (EU) [16A] - IEC C13 [10A]; H05VV-F 3×0.75mm²	5.0	5904139602881
BDKAB-EUL-P3-1.2M	Power cable 1.2m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 [10A]; H05VV-F 3×0.75mm²	1.2	5904139606155
BDKAB-EUL-P3-1.5M	Power cable 1.5m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 [10A]; H05VV-F 3×0.75mm²	1.5	
BDKAB-EUL-P3-1.8M	Power cable 1.8m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 [10A]; H05VV-F 3×0.75mm²	1.8	5904139606162
BDKAB-EUL-P3-3.0M	Power cable 3.0m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 [10A]; H05VV-F 3×1mm²	3.0	5904139606179
BDKAB-EUL-P3-5.0M	Power cable 5.0m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 [10A]; H05VV-F 3×1mm²	5.0	5904139606186
BDKAB-EUL-P3L-1.2M	Power cable 1.2m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 angular [10A]; H05VV-F 3×0.75mm²	1.2	5904139606193
BDKAB-EUL-P3L-1.8M	Power cable 1.5m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 angular [10A]; H05VV-F 3×0.75mm²	1.5	5904139606209
BDKAB-EUL-P3L-3.0M	Power cable 1.8m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 angular [10A]; H05VV-F 3×0.75mm²	1.8	5904139606216
BDKAB-EUL-P3L-5.0M	Power cable 3.0m CEE 7/7 (E/F) (EU) angular [16A] - IEC C13 angular [10A]; H05VV-F 3×1mm²	3.0	5904139606223

BDKAB-EU/EUL-M3

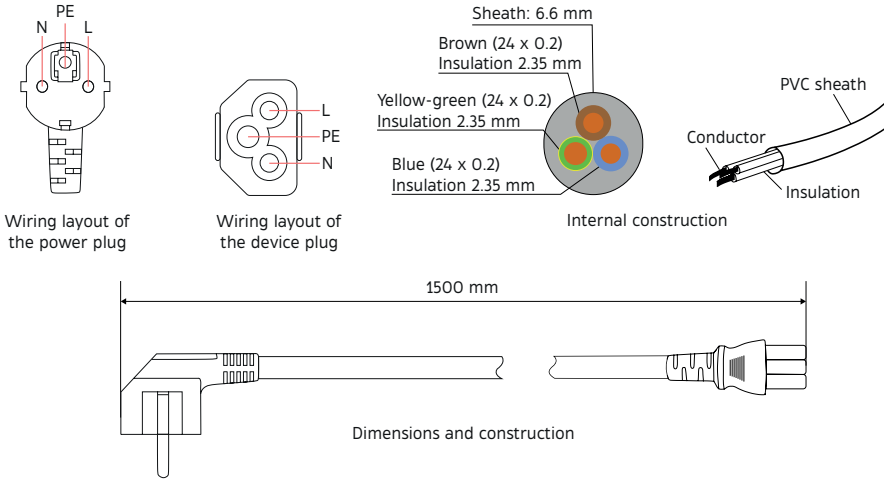
TECHNICAL CHARACTERISTICS

Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - EU/EUL - M3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	2.5 A
Power plug type	Straight / angular
Mains plug	Schuko, CEE 7/7 (E/F)
Standard	European
Plug color	Black
Device plug	Straight / angular
Type	C5
Plug color	Black



- **MAINS PLUG -** The CEE 7/7 (E/F) standard mains plug is a grounded mains connector, compatible with E (French) and F (Schuko , German) type mains sockets. The plug has two pins and a hole for the grounding clip, used in E-type sockets, and metal contact strips at the top and bottom, providing a connection to the protective grounding of F-type sockets. Nickel-plated pins guarantee reliable electrical contact. The plug is attached to the cable using the hot--melt plastic casting method, which ensures a tight, environmentally resistant, uniform and non-detachable connection with high mechanical durability.

MECHANICAL SPECIFICATION



- **DEVICE PLUG** - C5 (M3) Plug is standardized by IEC (IEC 60320 C5) and widely used in electronic equipment with lower power requirements. It is used in portable power supplies, laptops, projectors, portable speakers, DVD players and RTV and household appliances. The C5 plug performs a 3-wire connection (with grounding), intended for devices in protection class I, i.e. requiring PE. Its design, with three round pins, prevents incorrect insertion into the socket, which ensures safety of use.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-EU-M3-1.2M	Power cable 1.2m CEE 7/7 (E/F) (EU) [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	1.2	
BDKAB-EU-M3-1.5M	Power cable 1.5m CEE 7/7 (E/F) (EU) [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	1.5	5904139602898
BDKAB-EU-M3-1.8M	Power cable 1.8m CEE 7/7 (E/F) (EU) [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	1.8	5904139602904
BDKAB-EU-M3-3.0M	Power cable 3.0m CEE 7/7 (E/F) (EU) [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	3.0	
BDKAB-EU-M3-5.0M	Power cable 5.0m CEE 7/7 (E/F) (EU) [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	5.0	
BDKAB-EUL-M3-1.2M	Power cable 1.2m CEE 7/7 (E/F) (EU) angular [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	1.2	
BDKAB-EUL-M3-1.5M	Power cable 1.5m CEE 7/7 (E/F) (EU) angular [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	1.5	
BDKAB-EUL-M3-1.8M	Power cable 1.8m CEE 7/7 (E/F) (EU) angular [16A] - IEC C5 [2.5A]; H05VV-F 3×0,75mm²	1.8	5904139606148
BDKAB-EUL-M3-3.0M	Power cable 3.0m CEE 7/7 (E/F) (EU) angular [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	3.0	
BDKAB-EUL-M3-5.0M	Power cable 5.0m CEE 7/7 (E/F) (EU) angular [16A] - IEC C5 [2.5A]; H05VV-F 3×0.75mm²	5.0	

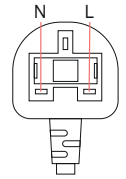
BDKAB-UK-T2

TECHNICAL CHARACTERISTICS

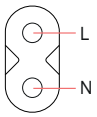
Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - UK - T2 - xxM
Shape	Flat
Safety	Class II insulation (without grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	2
Wire colors	Brown, blue
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H03VVH2-F
Cable voltage withstand (Uo/U)	300 / 300 V
Rated voltage	250 VAC / 50 Hz
Rated current	2.5 A
Power plug type	Straight
Mains plug	BS 1363 P2
Standard	UK
Plug color	Black
Device plug	Straight
Type	C7
Plug color	Black

- **MAINS PLUG** - The (UK) BS 1363 P2 mains plug is a mains connector designed for use in the UK and countries using the BS 1363 standard. It is compatible with type G sockets, which are commonly used in this region. The plug has three pins, but is used with a two-core wire (phase and neutral), which means that the earthing contact is not connected. Due to no grounding, it is only intended for devices with class II protection. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured by hot-melt plastic casting, which guarantees mechanical and environmental durability.

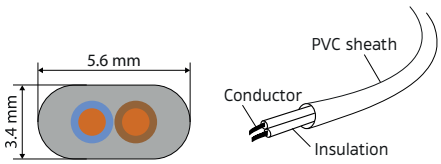
MECHANICAL SPECIFICATION



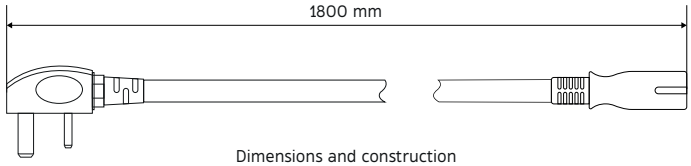
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG -** C7 (T2) Plug is standardized by IEC (IEC 60320 C7) and widely used in electronic equipment with lower power requirements. It is used in desktop power supplies, printers, monitors, DVD players, televisions, as well as RTV and household appliances. The C7 plug performs a 2-wire connection (without grounding) and is intended for devices in protection class II that do not require PE. Its design is compact, which allows for easy and convenient connection to devices with standard sockets.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-UK-T2-1.2M	Power cable 1.2m BS 1363 P2 (UK) [5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	1.2	
BDKAB-UK-T2-1.5M	Power cable 1.5m BS 1363 P2 (UK) [5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	1.5	
BDKAB-UK-T2-1.8M	Power cable 1.8m BS 1363 P2 (UK) [5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	1.8	5904139603024
BDKAB-UK-T2-3.0M	Power cable 3.0m BS 1363 P2 (UK) [5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	3.0	5904139603031
BDKAB-UK-T2-5.0M	Power cable 5.0m BS 1363 P2 (UK) [5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	5.0	

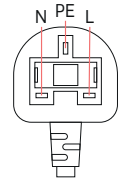
BDKAB-UK-P3

TECHNICAL CHARACTERISTICS

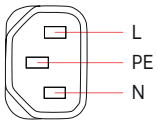
Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - UK - P3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	10 A
Power plug type	Straight
Mains plug	BS 1363 P3
Standard	UK
Plug color	Black
Device plug	Straight
Type	C13
Plug color	Black

- **MAINS PLUG** - The (UK) BS 1363 P3 mains plug is a mains connector designed for use in Great Britain and countries using the BS 1363 standard. It is compatible with type G sockets, commonly used in this region. The plug has three pins: phase, neutral and earth and is used with a three-core cable. It is designed for devices requiring earthing made in protection class I. The nickel-plated pins guarantee reliable electrical contact and environmental protection. The cable is fixed by the method of hot melt plastic, which ensures mechanical and environmental durability and a high level of safety.

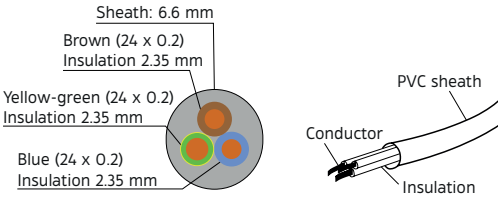
MECHANICAL SPECIFICATION



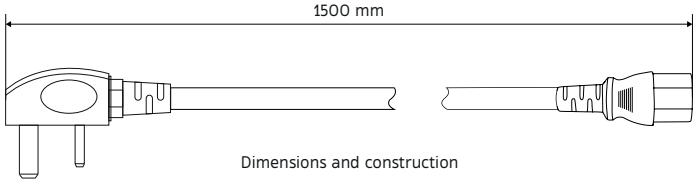
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C13 (P3) plug is a standardized IEC connector (IEC 60320 C13) and is widely used in medium and high-power electronic devices. It is used in desktop computers, servers, UPS power supplies, desktop power supplies, printers, monitors and RTV/AGD devices. It provides a 3-wire connection (with power earth), intended for devices in protection class I, i.e. requiring grounding. Its design prevents incorrect insertion into the socket, ensuring safety and protection against incorrect inserting.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-UK-P3-1.2M	Power cable 1.2m BS 1363 P3 (UK) [13A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.2	
BDKAB-UK-P3-1.5M	Power cable 1.5m BS 1363 P3 (UK) [13A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.5	5904139603123
BDKAB-UK-P3-1.8M	Power cable 1.8m BS 1363 P3 (UK) [13A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.8	5904139603130
BDKAB-UK-P3-3.0M	Power cable 3.0m BS 1363 P3 (UK) [13A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	3.0	
BDKAB-UK-P3-5.0M	Power cable 5.0m BS 1363 P3 (UK) [13A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	5.0	

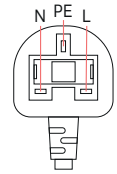
BDKAB-UK-M3

TECHNICAL CHARACTERISTICS

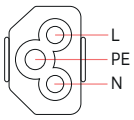
Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - UK - M3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	2.5 A
Power plug type	Straight
Mains plug	BS 1363 P3
Standard	UK
Plug color	Black
Device plug	Straight
Type	C5
Plug color	Black

- **MAINS PLUG** - The (UK) BS 1363 P3 mains plug is a mains connector designed for use in Great Britain and countries using the BS 1363 standard. It is compatible with type G sockets, commonly used in this region. The plug has three pins: phase, neutral and earth and is used with a three-core cable. It is designed for devices requiring earthing made in protection class I. The nickel-plated pins guarantee reliable electrical contact and environmental protection. The cable is fixed by the method of hot melt plastic, which ensures mechanical and environmental durability and a high level of safety.

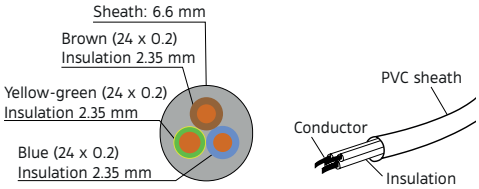
MECHANICAL SPECIFICATION



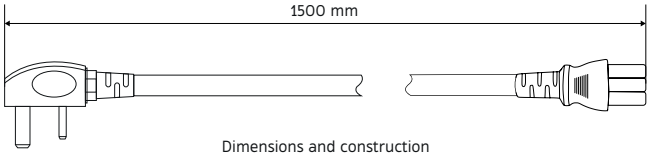
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C5 (M3) Plug is standardized by IEC (IEC 60320 C5) and widely used in electronic equipment with lower power requirements. It is used in portable power supplies, laptops, projectors, portable speakers, DVD players and RTV and household appliances. The C5 plug performs a 3-wire connection (with grounding), intended for devices in protection class I, i.e. requiring PE. Its design, with three round pins, prevents incorrect insertion into the socket, which ensures safety of use.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-UK-M3-1.2M	Power cable 1.2m BS 1363 P3 (UK) [13A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	1.2	
BDKAB-UK-M3-1.5M	Power cable 1.5m BS 1363 P3 (UK) [13A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	1.5	5904139603048
BDKAB-UK-M3-1.8M	Power cable 1.8m BS 1363 P3 (UK) [13A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	1.8	5904139603055
BDKAB-UK-M3-3.0M	Power cable 3.0m BS 1363 P3 (UK) [13A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	3.0	
BDKAB-UK-M3-5.0M	Power cable 5.0m BS 1363 P3 (UK) [13A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	5.0	

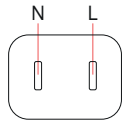
BDKAB-US-T2

TECHNICAL CHARACTERISTICS

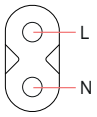
Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - US - T2 - xxM
Shape	Flat
Safety	Class II insulation (without grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	2
Wire colors	Brown, blue
Conductor cross-section	18AWG 0.823mm²
Wire material	Class 5 copper
Type	H03VVH2-F
Cable voltage withstand (Uo/U)	300 /300 V
Rated voltage	120 VAC 60Hz
Rated current	2.5 A
Power plug type	Straight
Mains plug	NEMA 1-15
Standard	USA
Plug color	Black
Device plug	Straight
Type	C7
Plug color	Black

- **MAINS PLUG** - The NEMA 1-15 (USA) mains plug is a groundless connection compatible with type A sockets, commonly found in the USA, Canada, Mexico and Japan. The plug has two parallel flat pins - one for the live wire, the other for the neutral. In polarized versions, one of the pins is wider, which prevents reverse connection. Due to the lack of a grounding, it is intended only for devices in protection class II (with e reinforced insulation). The rated load is 15 A at 125 V. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

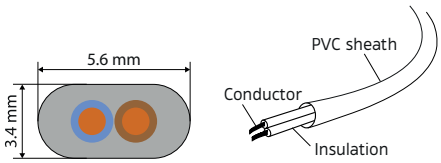
MECHANICAL SPECIFICATION



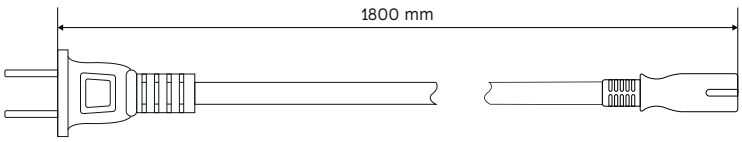
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C7 (T2) Plug is standardized by IEC (IEC 60320 C7) and widely used in electronic equipment with lower power requirements. It is used in desktop power supplies, printers, monitors, DVD players, televisions, as well as RTV and household appliances. The C7 plug performs a 2-wire connection (without grounding) and is intended for devices in protection class II that do not require PE. Its design is compact, which allows for easy and convenient connection to devices with standard sockets.

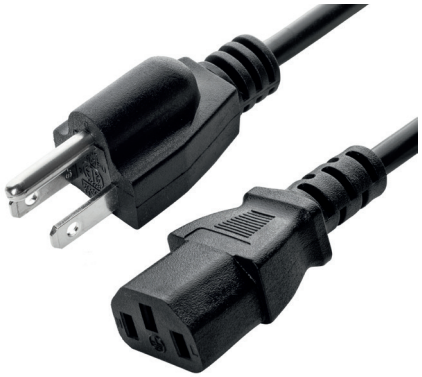
AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-US-T2-1.2M	Power cable 1.2m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2x0.823mm²	1.2	
BDKAB-US-T2-1.5M	Power cable 1.5m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2x0.823mm²	1.5	
BDKAB-US-T2-1.8M	Power cable 1.8m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2x0.823mm²	1.8	5904139602935
BDKAB-US-T2-3.0M	Power cable 3.0m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2x0.823mm²	3.0	5904139602942
BDKAB-US-T2-5.0M	Power cable 5.0m NEMA 1-15 (USA) [15A] UL - IEC C7 [2.5A]; NISPT-2 VW1 18AWG 2x0.823mm²	5.0	

BDKAB-US-P3

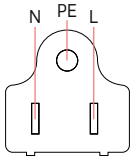
TECHNICAL CHARACTERISTICS

Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - US - P3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	18AWG 0.823mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 V / 500 V
Rated voltage	120 VAC 60Hz
Rated current	10 A
Power plug type	Straight
Mains plug	NEMA 5-15P
Standard	USA
Plug color	Black
Device plug	Straight
Type	C13
Plug color	Black

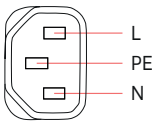


- **MAINS PLUG** - The NEMA 5-15P (USA) mains plug is a grounded connection compatible with type A sockets, commonly found in the USA, Canada, Mexico and Japan. It is compatible with type B sockets, commonly found in the USA, Canada, Mexico and some other countries. The plug has two flat pins: one for the live wire, the other for the neutral wire and a round grounding pin located below. It is designed for devices requiring grounding made in protection class I. The rated load of the plug is 15 A / 125 V. Nickel-plated pins provide reliable electrical contact and environmental protection. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

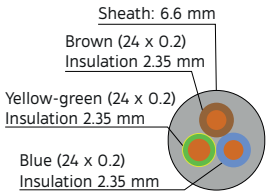
MECHANICAL SPECIFICATION

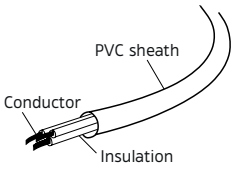


Wiring layout of the power plug

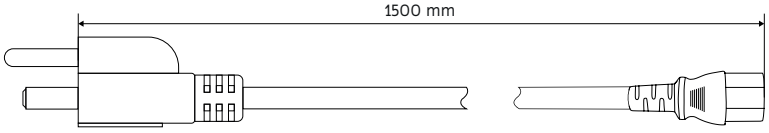


Wiring layout of the device plug





Internal construction



Dimensions and construction

- **DEVICE PLUG** - C13 (P3) plug is a standardized IEC connector (IEC 60320 C13) and is widely used in medium and high-power electronic devices. It is used in desktop computers, servers, UPS power supplies, desktop power supplies, printers, monitors and RTV/AGD devices. It provides a 3-wire connection (with power earth), intended for devices in protection class I, i.e. requiring grounding. Its design prevents incorrect insertion into the socket, ensuring safety and protection against incorrect inserting.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-US-P3-1.2M	Power cable 1.2m NEMA 5-15P (USA) [15A] UL - IEC C13 [10A]; SVT 3C 18AWG 3x0.823mm²	1.2	
BDKAB-US-P3-1.5M	Power cable 1.5m NEMA 5-15P (USA) [15A] UL - IEC C13 [10A]; SVT 3C 18AWG 3x0.823mm²	1.5	5904139603062
BDKAB-US-P3-1.8M	Power cable 1.8m NEMA 5-15P (USA) [15A] UL - IEC C13 [10A]; SVT 3C 18AWG 3x0.823mm²	1.8	5904139603079
BDKAB-US-P3-3.0M	Power cable 3.0m NEMA 5-15P (USA) [15A] UL - IEC C13 [10A]; SVT 3C 18AWG 3x0.823mm²	3.0	5904139603086
BDKAB-US-P3-5.0M	Power cable 5.0m NEMA 5-15P (USA) [15A] UL - IEC C13 [10A]; SVT 3C 18AWG 3x0.823mm²	5.0	

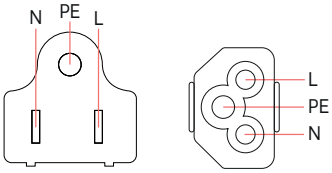
BDKAB-US-M3

TECHNICAL CHARACTERISTICS

Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - US - M3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	18AWG 0.823mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 V / 500 V
Rated voltage	120 VAC 60Hz
Rated current	2.5 A
Power plug type	Straight
Mains plug	NEMA 5-15P
Standard	USA
Plug color	Black
Device plug	Straight
Type	C5
Plug color	Black

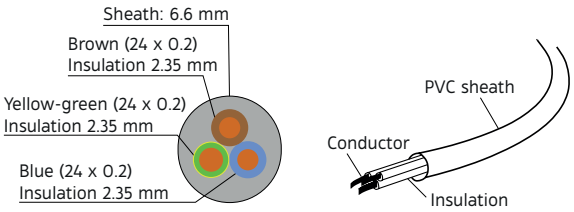
- **MAINS PLUG** - The NEMA 5-15P (USA) mains plug is a grounded connection compatible with type A sockets, commonly found in the USA, Canada, Mexico and Japan. It is compatible with type B sockets, commonly found in the USA, Canada, Mexico and some other countries. The plug has two flat pins: one for the live wire, the other for the neutral wire and a round grounding pin located below. It is designed for devices requiring grounding made in protection class I. The rated load of the plug is 15 A / 125 V. Nickel-plated pins provide reliable electrical contact and environmental protection. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

MECHANICAL SPECIFICATION

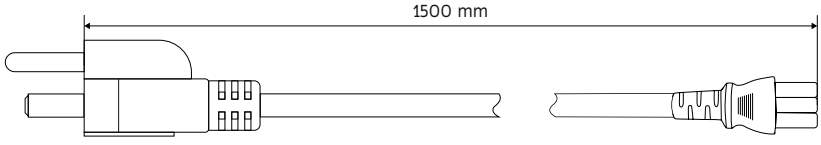


Wiring layout of the power plug

Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C5 (M3) Plug is standardized by IEC (IEC 60320 C5) and widely used in electronic equipment with lower power requirements. It is used in portable power supplies, laptops, projectors, portable speakers, DVD players and RTV and household appliances. The C5 plug performs a 3-wire connection (with grounding), intended for devices in protection class I, i.e. requiring PE. Its design, with three round pins, prevents incorrect insertion into the socket, which ensures safety of use.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-US-M3-1.2M	Power cable 1.2m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3x0.823mm²	1.2	
BDKAB-US-M3-1.5M	Power cable 1.5m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2,5A]; SVT 3C 18AWG 3x0.823mm²	1.5	5904139602911
BDKAB-US-M3-1.8M	Power cable 1.8m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3x0.823mm²	1.8	5904139602928
BDKAB-US-M3-3.0M	Power cable 3.0m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3x0.823mm²	3.0	
BDKAB-US-M3-5.0M	Power cable 5.0m NEMA 5-15P (USA) [15A] UL - IEC IEC C5 [2.5A]; SVT 3C 18AWG 3x0.823mm²	5.0	

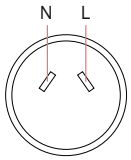
BDKAB-AUS-T2

TECHNICAL CHARACTERISTICS

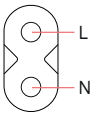
Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - AUS - T2 - xxM
Shape	Flat
Safety	Class II insulation (without grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	2
Wire colors	Brown, blue
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H03WW-F
Cable voltage withstand (Uo/U)	300 /300 V
Rated voltage	250 VAC / 50 Hz
Rated current	2.5 A
Power plug type	Straight
Mains plug	AS/NZS3112:2011
Standard	AUS
Plug color	Black
Device plug	Straight
Type	C7
Plug color	Black

- **MAINS PLUG** - The AS/NZS 3112:2011 (AUS) [7.5A] mains plug is a non-earthed connection used in Australia, New Zealand, and countries using the AS/NZS 3112 standard. It is compatible with type I sockets, which fit two- and three-pin versions. The plug has two obliquely positioned flat pins - one for the phase wire, the other for the neutral. Due to no grounding, it is intended only for devices in protection class II (with reinforced insulation). The rated load capacity is 7.5 A at a voltage of 230-240 VAC. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

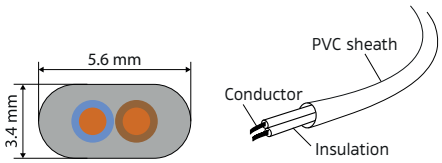
MECHANICAL SPECIFICATION



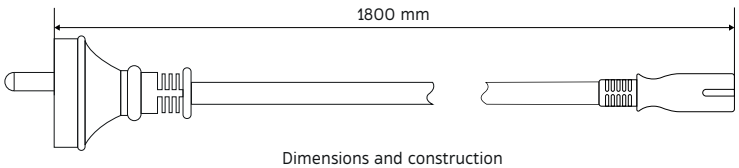
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C7 (T2) Plug is standardized by IEC (IEC 60320 C7) and widely used in electronic equipment with lower power requirements. It is used in desktop power supplies, printers, monitors, DVD players, televisions, as well as RTV and household appliances. The C7 plug performs a 2-wire connection (without grounding) and is intended for devices in protection class II that do not require PE. Its design is compact, which allows for easy and convenient connection to devices with standard sockets.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-AUS-T2-1.2M	Power cable 1.2m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	1.2	
BDKAB-AUS-T2-1.5M	Power cable 1.5m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	1.5	5904139603116
BDKAB-AUS-T2-1.8M	Power cable 1.8m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	1.8	
BDKAB-AUS-T2-3.0M	Power cable 3.0m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	3.0	
BDKAB-AUS-T2-5.0M	Power cable 5.0m AS/NZS3112:2011 (AUS) [7.5A] - IEC C7 [2.5A]; H03VVH2-F 2x0.75mm²	5.0	

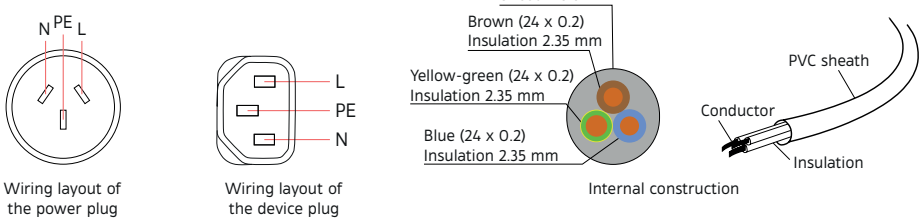
BDKAB-AUS-P3

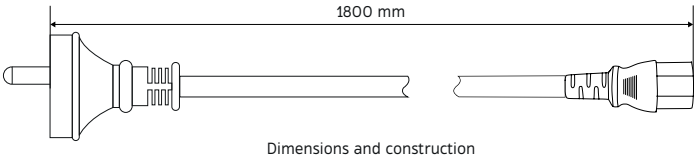
TECHNICAL CHARACTERISTICS

Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - AUS - P3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	10 A
Power plug type	Straight
Mains plug	AS/NZS3112:2011
Standard	AUS
Plug color	Black
Device plug	Straight
Type	C13
Plug color	Black

- **MAINS PLUG** - The AS/NZS3112:2011 (AUS) [10A] mains plug is an earthed connection used in Australia, New Zealand, and countries using the AS/NZS 3112 standard. It is compatible with type I sockets, which fit both two- and three-pin versions. The plug has three flat pins: two diagonally positioned for the phase and neutral wires and one vertical for earthing. Thanks to the protective pin, it is intended for devices requiring earthing and meeting protection class I. The rated load capacity is 10 A at 230-240 VAC. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

MECHANICAL SPECIFICATION





- **DEVICE PLUG** - C13 (P3) plug is a standardized IEC connector (IEC 60320 C13) and is widely used in medium and high-power electronic devices. It is used in desktop computers, servers, UPS power supplies, desktop power supplies, printers, monitors and RTV/AGD devices. It provides a 3-wire connection (with power earth), intended for devices in protection class I, i.e. requiring grounding. Its design prevents incorrect insertion into the socket, ensuring safety and protection against incorrect inserting.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-AUS-P3-1.2M	Power cable 1.2m AS/NZS3112:2011 (AUS) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.2	
BDKAB-AUS-P3-1.5M	Power cable 1.5m AS/NZS3112:2011 (AUS) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.5	5904139603109
BDKAB-AUS-P3-1.8M	Power cable 1.8m AS/NZS3112:2011 (AUS) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.8	
BDKAB-AUS-P3-3.0M	Power cable 3.0m AS/NZS3112:2011 (AUS) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	3.0	
BDKAB-AUS-P3-5.0M	Power cable 5.0m AS/NZS3112:2011 (AUS) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	5.0	

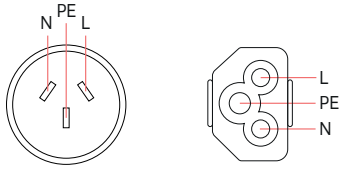
BDKAB-AUS-M3

TECHNICAL CHARACTERISTICS

Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - AUS - M3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	2.5 A
Power plug type	Straight
Mains plug	AS/NZS3112:2011
Standard	AUS
Plug color	Black
Device plug	Straight
Type	C5
Plug color	Black

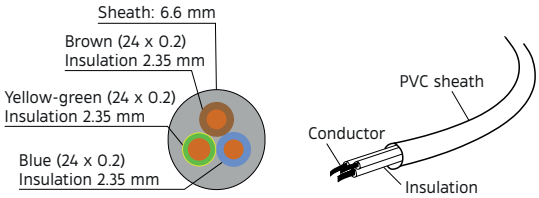
- **MAINS PLUG** - The AS/NZS3112:2011 (AUS) [10A] mains plug is an earthed connection used in Australia, New Zealand, and countries using the AS/NZS 3112 standard. It is compatible with type I sockets, which fit both two- and three-pin versions. The plug has three flat pins: two diagonally positioned for the phase and neutral wires and one vertical for earthing. Thanks to the protective pin, it is intended for devices requiring earthing and meeting protection class I. The rated load capacity is 10 A at 230-240 VAC. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

MECHANICAL SPECIFICATION

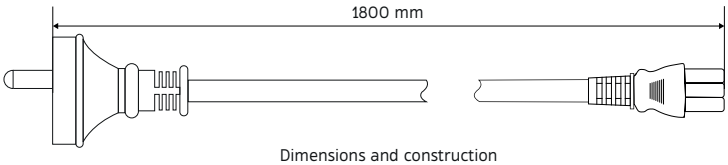


Wiring layout of the power plug

Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C5 (M3) Plug is standardized by IEC (IEC 60320 C5) and widely used in electronic equipment with lower power requirements. It is used in portable power supplies, laptops, projectors, portable speakers, DVD players and RTV and household appliances. The C5 plug performs a 3-wire connection (with grounding), intended for devices in protection class I, i.e. requiring PE. Its design, with three round pins, prevents incorrect insertion into the socket, which ensures safety of use.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-AUS-M3-1.2M	Power cable 1.2m AS/NZS3112:2011 (AUS) [10A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	1.2	
BDKAB-AUS-M3-1.5M	Power cable 1.5m AS/NZS3112:2011 (AUS) [10A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	1.5	
BDKAB-AUS-M3-1.8M	Power cable 1.8m AS/NZS3112:2011 (AUS) [10A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	1.8	5904139603093
BDKAB-AUS-M3-3.0M	Power cable 3.0m AS/NZS3112:2011 (AUS) [10A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	3.0	
BDKAB-AUS-M3-5.0M	Power cable 5.0m AS/NZS3112:2011 (AUS) [10A] - IEC C5 [2.5A]; H05VV-F 3x0.75mm²	5.0	

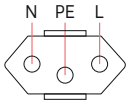
BDKAB-BRA-P3

TECHNICAL CHARACTERISTICS

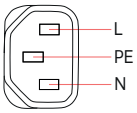
Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - BRA - P3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	10 A
Power plug type	Straight
Mains plug	NBR 14136
Standard	BRA
Plug color	Black
Device plug	Straight
Type	C13
Plug color	Black

- **MAINS PLUG** - The mains plug (BRA) NBR 14136 is a grounding connection used in Brazil and complies with the NBR 14136 standard. It is compatible with type N sockets that fit a plug with three round-shape contacts. The plug has three pins: two round for the phase and neutral wires and one round grounding pin. Thanks to the protective contact, it is intended for devices requiring grounding and meeting protection class I. The rated current capacity of the plug is 10 A at 250 VAC. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

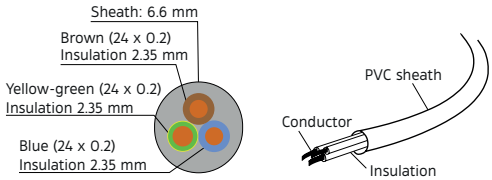
MECHANICAL SPECIFICATION



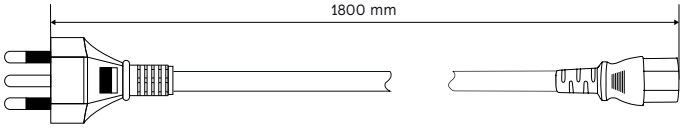
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C13 (P3) plug is a standardized IEC connector (IEC 60320 C13) and is widely used in medium and high-power electronic devices. It is used in desktop computers, servers, UPS power supplies, desktop power supplies, printers, monitors and RTV/AGD devices. It provides a 3-wire connection (with power earth), intended for devices in protection class I, i.e. requiring grounding. Its design prevents incorrect insertion into the socket, ensuring safety and protection against incorrect inserting.

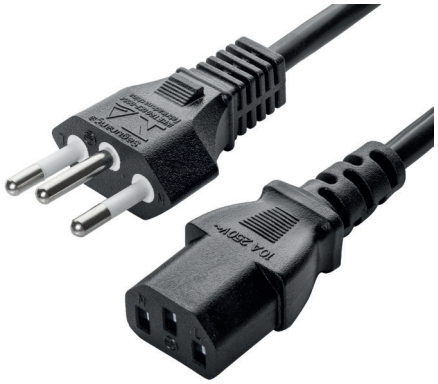
AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-BRA-P3-1.2M	Power cable 1.2m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.2	
BDKAB-BRA-P3-1.5M	Power cable 1.5m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.5	
BDKAB-BRA-P3-1.8M	Power cable 1.8m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.8	5904139602959
BDKAB-BRA-P3-3.0M	Power cable 3.0m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	3.0	
BDKAB-BRA-P3-5.0M	Power cable 5.0m NBR 14136 (BRA) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	5.0	

BDKAB-SW-P3

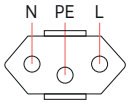
TECHNICAL CHARACTERISTICS

Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - SW - P3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	10 A
Power plug type	Straight
Mains plug	SEV 1011 D13
Standard	CHE
Plug color	Black
Device plug	Straight
Type	C13
Plug color	Black

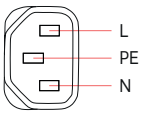


- **MAINS PLUG** - The (SW) SEV 1011 D13 mains plug is a grounded connection used in Switzerland, compliant with the SEV 1011 D13 standard. It is compatible with type J sockets, which fit a plug with three round pins. It has three pins: two round for the phase and neutral wires and one grounding. It is intended for devices requiring grounding and meeting protection class I. The rated load capacity of the plug is 10 A at a voltage of 250 VAC. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

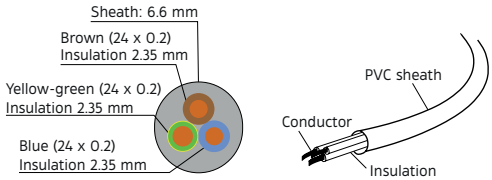
MECHANICAL SPECIFICATION



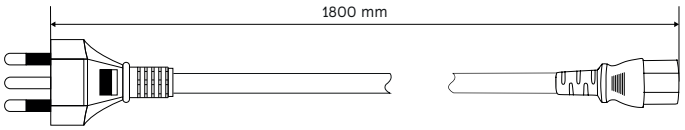
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C13 (P3) plug is a standardized IEC connector (IEC 60320 C13) and is widely used in medium and high-power electronic devices. It is used in desktop computers, servers, UPS power supplies, desktop power supplies, printers, monitors and RTV/AGD devices. It provides a 3-wire connection (with power earth), intended for devices in protection class I, i.e. requiring grounding. Its design prevents incorrect insertion into the socket, ensuring safety and protection against incorrect inserting.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-SW-P3-1.2M	Power cable 1.2m SEV 1011 D13 (SW) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.2	
BDKAB-SW-P3-1.5M	Power cable 1.5m SEV 1011 D13 (SW) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.5	
BDKAB-SW-P3-1.8M	Power cable 1.8m SEV 1011 D13 (SW) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	1.8	5904139605998
BDKAB-SW-P3-3.0M	Power cable 3.0m SEV 1011 D13 (SW) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	3.0	
BDKAB-SW-P3-5.0M	Power cable 5.0m SEV 1011 D13 (SW) [10A] - IEC C13 [10A]; H05VV-F 3x0.75mm²	5.0	

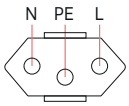
BDKAB-SW-M3

TECHNICAL CHARACTERISTICS

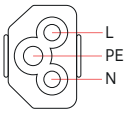
Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - SW - M3 - xxM
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	2.5 A
Power plug type	Straight
Mains plug	SEV 1011 D13
Standard	CHE
Plug color	Black
Device plug	Straight
Type	C5
Plug color	Black

- **MAINS PLUG** - The (SW) SEV 1011 D13 mains plug is a grounded connection used in Switzerland, compliant with the SEV 1011 D13 standard. It is compatible with type J sockets, which fit a plug with three round pins. It has three pins: two round for the phase and neutral wires and one grounding. It is intended for devices requiring grounding and meeting protection class I. The rated load capacity of the plug is 10 A at a voltage of 250 VAC. The plug pins are nickel-plated, which ensures reliable electrical contact and protection against corrosion. The wire is secured using the hot plastic casting method, which guarantees mechanical and environmental durability.

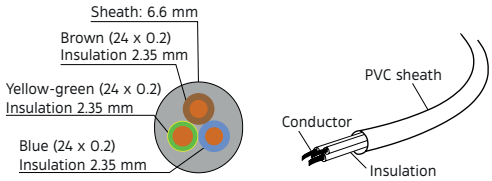
MECHANICAL SPECIFICATION



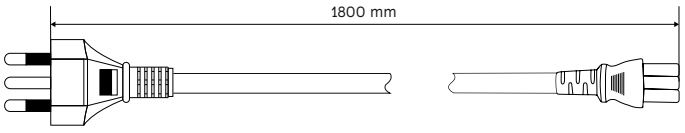
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - C5 (M3) Plug is standardized by IEC (IEC 60320 C5) and widely used in electronic equipment with lower power requirements. It is used in portable power supplies, laptops, projectors, portable speakers, DVD players and RTV and household appliances. The C5 plug performs a 3-wire connection (with grounding), intended for devices in protection class I, i.e. requiring PE. Its design, with three round pins, prevents incorrect insertion into the socket, which ensures safety of use.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-SW-M3-1.2M	Power cable 1.2m SEV 1011 D13 (SW) [10A] - IEC C5 [2.5A]; H05VVH2-F 3x0.75mm²	1.2	
BDKAB-SW-M3-1.5M	Power cable 1.5m SEV 1011 D13 (SW) [10A] - IEC C5 [2.5A]; H05VVH2-F 3x0.75mm²	1.5	
BDKAB-SW-M3-1.8M	Power cable 1.8m SEV 1011 D13 (SW) [10A] - IEC C5 [2.5A]; H05VVH2-F 3x0.75mm²	1.8	5904139605981
BDKAB-SW-M3-3.0M	Power cable 3.0m SEV 1011 D13 (SW) [10A] - IEC C5 [2.5A]; H05VVH2-F 3x0.75mm²	3.0	
BDKAB-SW-M3-5.0M	Power cable 5.0m SEV 1011 D13 (SW) [10A] - IEC C5 [2.5A]; H05VVH2-F 3x0.75mm²	5.0	

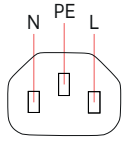
BDKAB-C13/C14

TECHNICAL CHARACTERISTICS

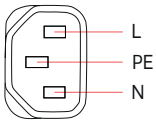
Parameter	Value
Type	Power cable for electrical and electronic devices
Model	BDKB - C13/C14 - (xx)M
Shape	Round
Safety	Class I insulation (with grounding)
Color	Black
Length	1.2 m | 1.5 m | 1.8 m | 3 m | 5 m
Mounting	Potting assembly
Number of wires	3
Wire colors	Brown, blue, yellow-green
Conductor cross-section	0.75 mm²
Wire material	Class 5 copper
Type	H05VV-F
Cable voltage withstand (Uo/U)	300 / 500 V
Rated voltage	250 VAC / 50 Hz
Rated current	10 A
Power plug type	Straight
Power plug	C14
Plug color	Black
Device plug	Straight
Type	C13/C14
Plug color	Black

- **POWER PLUG** - C14 (P1) is a male power connector compliant with the IEC 60320 C14 standard. It features three pins: live (phase), neutral, and protective (ground). It serves as a component of a power cord or extension cable, functioning as the input power connection point. The C14 connector supports a three-wire connection, including live, neutral, and ground conductors, and is intended for use with Class I equipment, which requires grounding. The plug's design, with its specific pin arrangement, prevents incorrect insertion into a compatible C13 socket, ensuring safety and protection.

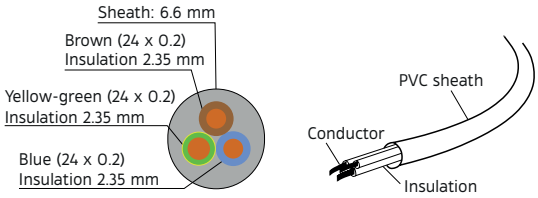
MECHANICAL SPECIFICATION



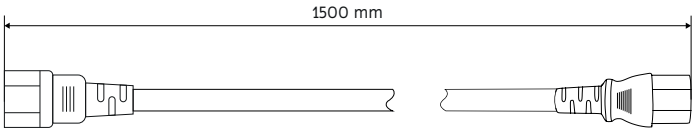
Wiring layout of the power plug



Wiring layout of the device plug



Internal construction



Dimensions and construction

- **DEVICE PLUG** - The C13 (P3) plug is a standardized IEC connector (IEC 60320 C13) and is widely used in medium and high-power electronic devices. It is used in desktop computers, servers, UPS power supplies, desktop power supplies, printers, monitors and RTV/AGD devices. It provides a 3-wire connection (with power earth), intended for devices in protection class I, i.e. requiring grounding. Its design prevents incorrect insertion into the socket, ensuring safety and protection against incorrect inserting.

AVAILABLE MODELS

Model	Name	Length [m]	EAN
BDKAB-C13/C14-1.0M	Power cable 1m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3×0.75mm²	1.2	5904139602997
BDKAB-C13/C14-1.5M	Power cable 1.5m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3x0.75mm²	1.5	
BDKAB-C13/C14-1.8M	Power cable 1.8m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3x0.75mm²	1.8	5904139603000
BDKAB-C13/C14-3.0M	Power cable 3.0m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3x0.75mm²	3.0	
BDKAB-C13/C14-5.0M	Power cable 5.0m IEC C13 [10A] - IEC C14 [10A]; H05VV-F 3x0.75mm²	5.0	

AC CABLE BDKAB

TECHNICAL CHARACTERISTICS

Parameter	Value
Conductor construction	0.5 mm² = 16 x 0.2 mm 0.75 mm² = 24 x 0.2 mm 1 mm² = 32 x 0.2 mm
Wire insulation material	PVC (polyvinyl chloride)
Cable insulation material	PVC (polyvinyl chloride)
Resistance	2x0.5 mm² = 39 Ω/km, 2x0.75 mm² = 26 Ω/km
Insulation thickness (inner/outer)	2x0.5 mm² = 0.5/0.6 mm, 2x0.75 mm² = 0.6/0.8 mm
Outer diameter of the cable	2x0.5 mm² = 3.2 x 5.2 mm; 2x0.75 mm² = 3.4x5.6 mm
Resistance	3x0.75 mm² = 26 Ω/km, 3x1 mm² = 20 Ω/km
Insulation thickness (inner/outer)	3x0.75 mm² = 0.6/0.8 mm, 3x1 mm² = 0.6/0.8 mm
Outer diameter of the cable	3x0.75 mm² = 6.5 mm, 3x1 mm² = 7.0 mm
Insulation test voltage	2000 VAC
Temperature range	–25 to +70°C
Plug contacts	Nickel-plated
Compliance with standards	IEC60227 Cable Mains plug IEC60884-1 Device plug IEC60320-1
Approval marks	CE, RoHS, REACH
Warranty	5 years

Sterowniki LED

LED drivers are products that enhance the functionality of LED lighting with the ability to adjust brightness, colour temperature or colour in the case of RGB strips. These devices are connected between the output of the LED CV power supply and the LED strip. They work with installation buttons, remote controls and selected versions can be operated with a smartphone via Wi-Fi and the Tuya app. These controllers contain one to five output channels, offer the possibility of connecting several remote controls and are capable of working within extended networks with communication between many devices of this kind. They have a high degree of functionality and the ability to be programmed and saving settings.

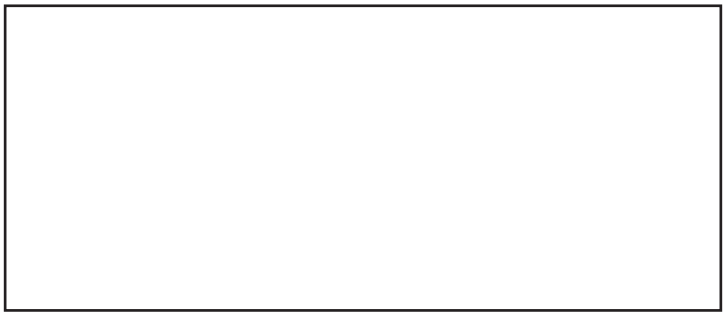
LED controllers are available in variants supporting 1 to 5 channels. They allow brightness control via an installation button, RF remote control or smartphone app (depending on the version). They support monochrome, bicolour (CCT) and RGB and RGBW colour ribbons. They can be combined into gangs containing multiple controllers controlled by a single remote control/app to create a lighting system for a building/home.

CHARACTERISTICS:

- brightness regulation from 0 to 100% in 4096 steps
- cooperation with a single-zone or multi-zone radio remote control (2.4 GHz)
- possibility of registration of up to 10 remote
- synchronisation of regulation in many controllers located in the installation - one remote control can operate many controllers
- controllable with a simple installation button (on/off and 0-100% dimming) and with a remote control
- adjustable brightening and dimming times
- construction with protection against overheating, overload and output short circuit
- compliance with standards:
  - EMC: EN 301489-1
  - LVD: EN 62368-1
  - RED: ETSI EN 300328

APPLICATION:

- home and building lighting
- arrangement of lighting scenes



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