



## ZV15H 236-11ZZ-1830

- Thermoplastic enclosure
- Good resistance to oil and petroleum spirit
- Wide range of alternative actuators
- 30 mm x 58,5 mm x 30 mm
- Double-insulated
- Mounting details to EN 50047
- Actuator heads can be repositioned by 4 x 90°
- Lever angle adjustable in 10° steps

## Data

### General data

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Standards                 | BG-GS-ET-15<br>EN ISO 13849-1<br>EN IEC 60947-5-1 |
| Housing construction form | Norm construction design                          |
| Housing material          | Plastic, glass-fibre-reinforced                   |
| Lever material            | Metal film                                        |
| Gross weight              | 74 g                                              |

### General data - Features

|                  |     |
|------------------|-----|
| Safety functions | Yes |
|------------------|-----|

### Safety classification

|              |                  |
|--------------|------------------|
| Standards    | EN IEC 60947-5-1 |
| Mission time | 20 Year(s)       |

## Safety classification - Safety outputs

|                                               |                       |
|-----------------------------------------------|-----------------------|
| B <sub>10D</sub> Normally-closed contact (NC) | 20,000,000 Operations |
|-----------------------------------------------|-----------------------|

## Mechanical data

|                              |                       |
|------------------------------|-----------------------|
| Actuating element            | Roller lever          |
| Roller material              | Plastic               |
| Mechanical lifetime, minimum | 20,000,000 Operations |
| Actuating speed, minimum     | 4,122 mm/min          |
| Actuating speed, maximum     | 1 m/s                 |
| Actuating torque, minimum    | 0.2 Nm                |
| Positive break torque        | 0.2 Nm                |

## Mechanical data - Connection technique

|                        |                           |
|------------------------|---------------------------|
| Termination            | Screw terminals M20 x 1.5 |
| Cable section, minimum | 0.75 mm <sup>2</sup>      |
| Cable section, maximum | 2.5 mm <sup>2</sup>       |

## Mechanical data - Dimensions

|                  |        |
|------------------|--------|
| Length of sensor | 46 mm  |
| Width of sensor  | 30 mm  |
| Height of sensor | 112 mm |

## Ambient conditions

|                      |                |
|----------------------|----------------|
| Degree of protection | IP65<br>IP67   |
| Ambient temperature  | -30 ... +80 °C |

## Ambient conditions - Insulation values

|                                                  |      |
|--------------------------------------------------|------|
| Rated impulse withstand voltage U <sub>imp</sub> | 6 kV |
|--------------------------------------------------|------|

## Electrical data

|                                      |                             |
|--------------------------------------|-----------------------------|
| Thermal test current                 | 10 A                        |
| Required rated short-circuit current | 1,000 A                     |
| Utilisation category AC-15           | 240 VAC                     |
| Utilisation category AC-15           | 4 A                         |
| Utilisation category DC-13           | 24 VDC                      |
| Utilisation category DC-13           | 1 A                         |
| Switching element                    | 1 NO contact, 1 NC contacts |
| Switching principle                  | Snap action                 |
| Maximale Schalthäufigkeit            | 5,000 /h                    |
| Material of the contacts, electrical | Silver                      |

## Pictures

### Product picture (catalogue individual photo)



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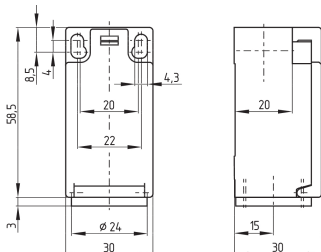
| 1.1 MB | .jpg | 352.778 x 1061.508 mm - 1000 x 3009 px - 72 dpi

| 231.3 kB | .png | 74.083 x 222.956 mm - 210 x 632 px - 72 dpi

| 26.4 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 14.7 MB | .png | 166.557 x 501.254 mm - 2000 x 6019 px - 305 dpi

### Dimensional drawing basic component

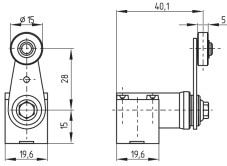


ID: 1-236g01

| 4.0 kB | .png | 74.083 x 73.378 mm - 210 x 208 px - 72 dpi

| 115.0 kB | .jpg | 352.778 x 349.956 mm - 1000 x 992 px - 72 dpi

### Dimensional drawing actuator



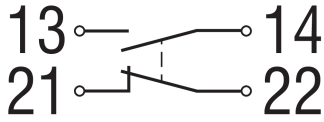
ID: 1h236g05

| 25.9 kB | .cdr |

| 7.6 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 82.4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

## Diagram



ID: k1o1sk01

| 52.2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 px - 72 dpi

| 2.6 kB | .png | 74.083 x 29.986 mm - 210 x 85 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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