



ZSD5/O.LTG.

- 3 levels OFF-ON-OFF
- Thermoplastic enclosure
- 1 Cable entry M 20 x 1.5
- Good resistance to oil and petroleum spirit
- Particularly fit for robot applications in accordance with the ANSI Robotics Standard
- The redundant contact configuration enables signal processing using conventional safety relay modules
- Contacts do not close upon reset (level 3 -> level 1)

Data

Ordering data

Product type description	ZSD5/O.LTG.
Article number (order number)	101199467
EAN (European Article Number)	4030661521435
eCl@ss number, version 12.0	27-37-12-38
eCl@ss number, version 11.0	27-37-12-38
eCl@ss number, version 9.0	27-37-12-38
ETIM number, version 7.0	EC002571
ETIM number, version 6.0	EC002571

Approvals - Standards

Certificates	cULus
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General data

Standards	ANSI/RIA R15.06 CSA C22.2 Nr.14 EN IEC 62061 EN 775 EN IEC 60947-5-1 EN IEC 60947-5-3 EN IEC 60947-5-5 EN IEC 60204-1 EN IEC 60947-1 EN ISO 10218 EN ISO 11161 EN ISO 12100 JIS C8201-5-1 UL508 1
Enclosure material	Plastic, thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	190 g

General data - Features

Number of normally closed (NC)	1
Number of normally open (NO)	2

Mechanical data

Note (Mechanical life)	NO: Stage 1 - 2 - 1: 1,000,000 operations Stage 1 - 2 - 3 - 1: 100,000 operations
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Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	0.14 mm ²
Cable section, maximum	1.5 mm ²

Ambient conditions

Degree of protection	IP65
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Ambient temperature, minimum -10 °C

Ambient temperature, maximum +60 °C

Ambient conditions - Insulation values

Rated impulse withstand voltage U_{imp} 2.5 kV

Electrical data

Rated operating voltage	250 VAC 250 VDC
Operating current	3,000 mA
Switching element	NO contact, NC contact
Switching principle	Slow action
Switching frequency	1,200 /h

Accessory

Recommended safety switchgear SRB, 2-channel with cross-wire detection

Note

Note (General) Customer-specific versions, with connecting cable, are available upon request. The monitoring module must offer the possibility of cross-wire monitoring. Only a double shielded cable is authorised as supply line.

1) If the device is to be used in a damp room, a suitable connection cable must be used.

1) This device has been tested for impact and fire resistance according to UL508.

Ordering code

Product type description:
ZSD (1)

(1)

- 215 3-stage grip switch
- 6 3-stage door handle switch with additional push-button

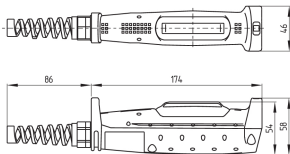
Pictures

Product picture (catalogue individual photo)



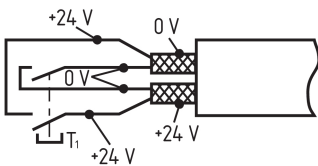
ID: kzsd-f05
| 2.1 MB | .jpg | 352.778 x 1484.842 mm - 1000 x 4209 px - 72 dpi
| 173.5 kB | .png | 74.083 x 311.503 mm - 210 x 883 px - 72 dpi

Dimensional drawing basic component



ID: 1zsd-g01
| 38.3 kB | .cdr |
| 12.0 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 127.2 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693 px - 72 dpi

Diagram



ID: kzsd6k01
| 117.3 kB | .ai | 81.844 x 50 mm - 232 x 141 px - 72 dpi
| 79.2 kB | .jpg | 352.778 x 176.389 mm - 1000 x 500 px - 72 dpi
| 3.6 kB | .png | 74.083 x 37.042 mm - 210 x 105 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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