

Datasheet - ZSD6

Enabling device / ZSD



(Minor differences between the printed image and the original product may exist!)

- Thermoplastic enclosure
- 1 Cable entry M 20 x 1.5
- 3 levels OFF-ON-OFF
- 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)

Ordering details

Product type description	ZSD6
Article number	101199480
EAN Code	
eCl@ss	27-37-12-38

Approval

Approval



Global Properties

Permanent light	ZSD
Standards	IEC 60947-5-1, IEC 60204-1, EN 775, ISO 12100, ISO 11161, ISO 10218, UL508 1), CSA C22.2 Nr.14, JIS C8201-5-1, ANSI/RIA R 15.06
Materials	
- Material of the housings	Plastic, thermoplastic, self-extinguishing
- Material of the contacts	Silver
Weight	180
Recommended safety-monitoring module	SRB, 2-channel with cross-wire detection

Mechanical data


Design of electrical connection	Screw connection
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Cable section	
- Min. Cable section	0,14 mm ²
- Max. Cable section	1.5 mm ²
Mechanical life	Normally-open contact: Level 1 - 2 - 1: 1.000.000 operations Level 1 - 2 - 3 - 1: 100.000 operations
Switching frequency	max. 1200 /h
Additional push-button (Y/N)	Yes

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-10 °C
- Max. environmental temperature	+60 °C
Protection class	IP65

Electrical data

Design of control element	Normally open contact (NO), Opener (NC)
Switching principle	Slow action
- positive break NC contact  (from Level 2 To Level 3)	
Number of shutters	3
Number of shutters Additional push-button	1
Number of openers	1
Rated impulse withstand voltage U _{imp}	1.5 kV
Rated operating voltage U _e	250 VAC/DC
Operating current I _e	3.0 A
Utilisation category	
- Normally-open contact:	Contact configuration: 2 Normally open contact (NO) AC-15: 125 V / 1,5 A; 250 V / 0,75 A DC-13: 30 V / 1,0 A; 125 V / 0,22 A; 250 V / 0,1 A Level 2 - 3: Positive break NC contact
- Auxiliary contact:	Contact configuration: 1 Opener (NC) AC-15: 125 V / 1,0 A; 250 V / 0,75 A DC-13: 30 V / 2,3 A; 125 V / 0,22 A; 250 V / 0,1 A
- Additional push-button:	Contact configuration: 1 Opener (NC) AC-15: 125 V / 0,3 A DC-13: 30 V / 0,7 A; 125 V / 0,1 A
Max. fuse rating	3 A gG D-fuse

notice

Customer-specific versions, with connecting cable, are available upon request.

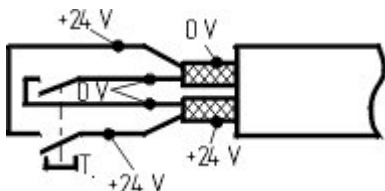
The monitoring module must offer the possibility of cross-wire monitoring.

Only a double shielded cable is authorised as supply line.






1) If the device is used in humid or damp rooms, a suitable connecting cable must be used.

1) The impact and fire resistance of this device has been examined to UL508.

Diagram



Note Diagram

-  positive break NC contact
-  active
-  no active
-  Normally-open contact
-  Normally-closed contact

Ordering code

ZSD (1)

(1)

5 3-stage door handle switch

6

Documents

Operating instructions and Declaration of conformity (cn) 478 kB, 23.11.2018

Code: mrl_zsd_cn

Operating instructions and Declaration of conformity (en) 292 kB, 09.10.2018

Code: mrl_zsd_en

Operating instructions and Declaration of conformity (pt) 292 kB, 09.10.2018

Code: mrl_zsd_pt

Operating instructions and Declaration of conformity (nl) 307 kB, 09.10.2018

Code: mrl_zsd_nl

Operating instructions and Declaration of conformity (cs) 335 kB, 09.10.2018

Code: mrl_zsd_cs

Operating instructions and Declaration of conformity (es) 290 kB, 09.10.2018

Code: mrl_zsd_es

Operating instructions and Declaration of conformity (it) 290 kB, 09.10.2018

Code: mrl_zsd_it

Operating instructions and Declaration of conformity (jp) 382 kB, 09.10.2018

Code: mrl_zsd_jp

Operating instructions and Declaration of conformity (da) 336 kB, 09.10.2018

Code: mrl_zsd_da

Operating instructions and Declaration of conformity (de) 294 kB, 09.10.2018

Code: mrl_zsd_de

Operating instructions and Declaration of conformity (pl) 316 kB, 09.10.2018

Code: mrl_zsd_pl

Operating instructions and Declaration of conformity (fr) 292 kB, 09.10.2018

Code: mrl_zsd_fr

BG-test certificate (en) 675 kB, 03.07.2014

Code: z_zsdp01

Brochure (de) 3 MB, 06.11.2012

Code: b_zb_p01

Brochure (en) 3 MB, 06.11.2012

Code: b_zb_p02

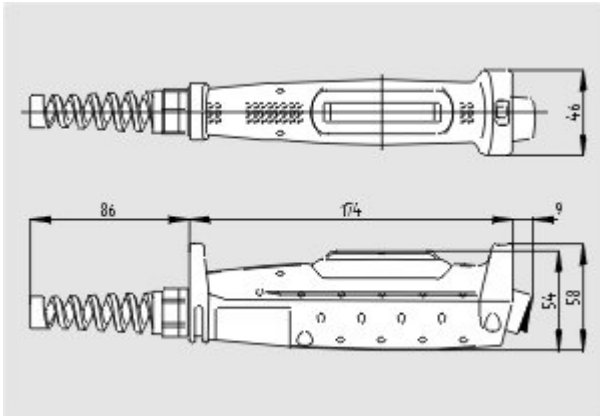
Brochure (es) 1 MB, 17.11.2010

Code: b_zb_p05

Brochure (pt) 1 MB, 20.04.2011

Code: b_zb_p10

Images



Dimensional drawing (basic component)

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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