Datasheet - ZSD5

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 enable signal evaluation with common safety relay modules according to control category 3/4 to EN 954-1
- Contacts do not close upon reset (level 3 -> level 1)

Ordering details

Product type description	ZSD5
Article number	1175345
EAN code	4030661308579

Approval

Approval	BG

Global Properties

Product name	ZSD
Standards	EN 60947-5-1, IEC/EN 60204-1, EN 292, EN 775, ISO 12100, ISO 11161, ISO 10218
Materials	
- Material of the housings	Plastic, thermoplastic, self-extinguishing
- Material of the contacts	Silver
Weight	220 g
Recommended safety-monitoring module	SRB, 2-channel with cross-wire detection

Mechanical data

Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	0,14 mm²

- Max. Cable section	1.5 mm²
Mechanical life	100000 operations
Switching frequency	max. 1200/h
Supplementary push-button in device head (Y/N)	No
positive break travel	7.4 mm

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 ⊖	
Number of shutters	2 piece
Number of openers	1 piece
Rated impulse withstand voltage U_{imp}	2.5 kV
Rated insulation voltage U_i	125 V
Utilisation category	AC-15: 24 V / 0,5 A, DC-13: 24 V / 1 A
Max. fuse rating	3 A gG D-fuse

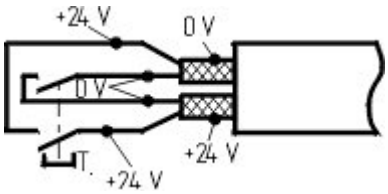
notice

Customer-specific designs, with pre-wired cable, or other signalling and command devices in the device head available on request

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

To connect, only use shielded pre-wired cables.

Diagram



Note Diagram

⊖ positive break NC contact

active

no active

Normally-open contact

Normally-closed contact

Documents

Operating instructions and Declaration of conformity (es) 796 kB, 15.08.2011

Code: mrl_zsd_es

Operating instructions and Declaration of conformity (de) 1 MB, 24.06.2010

Code: mrl_zsd_de

Operating instructions and Declaration of conformity (en) 1 MB, 24.06.2010
Code: mrl_zsd_en

Operating instructions and Declaration of conformity (nl) 1 MB, 08.12.2010
Code: mrl_zsd_nl

Operating instructions and Declaration of conformity (fr) 1 MB, 11.08.2011
Code: mrl_zsd_fr

Operating instructions and Declaration of conformity (jp) 1 MB, 11.08.2011
Code: mrl_zsd_jp

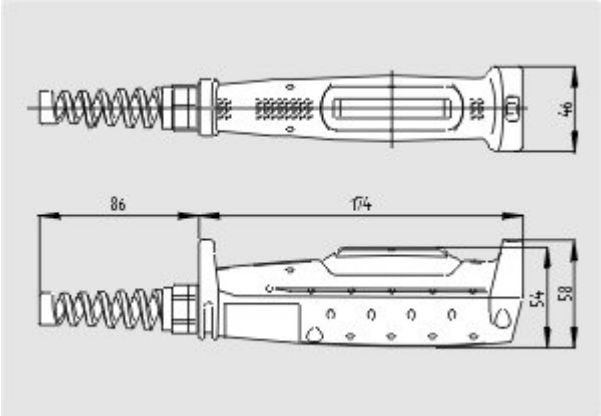
Brochure (pt) 1 MB, 20.04.2011
Code: b_zb_p10

Brochure (en) 3 MB, 28.07.2010
Code: b_zb_p02

Brochure (es) 1 MB, 17.11.2010
Code: b_zb_p05

Brochure (de) 3 MB, 28.07.2010
Code: b_zb_p01

Images



Dimensional drawing (basic component)