



ZSD5CC

- 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	ZSD5CC
Article number (order number)	103043703
EAN (European Article Number)	4030661623351
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
--------------	-------

General data

Standards	EN ISO 13849-1 EN IEC 60947-5-1 EN IEC 60947-5-8
Housing material	Plastic, thermoplastic, self-extinguishing

Gross weight	490 g
--------------	-------

General data - Features

Number of normally closed (NC)	1
--------------------------------	---

Number of normally open (NO)	2
------------------------------	---

Safety classification

Standards	EN ISO 13849-1 EN IEC 61508
-----------	--------------------------------

Performance Level, up to	d
--------------------------	---

Category	3
----------	---

B _{10D} Normally-closed contact (NC)	100,000 Operations
---	--------------------

Mechanical data

Note (Mechanical lifetime)	NO: Stage 1 - 2 - 1: 1,000,000 operations Stage 1 - 2 - 3 - 1: 100,000 operations
----------------------------	---

Positive break travel	4.7 mm
-----------------------	--------

Positive break force, minimum	70 N
-------------------------------	------

Mechanical data - Connection technique

Cable entry	1 x M20 x 1,5
-------------	---------------

Termination	Cage clamp
-------------	------------

Authorised cable section, minimum	7 mm
-----------------------------------	------

Authorised cable section, maximum	13 mm
-----------------------------------	-------

Cable section, minimum	0.2 mm ²
------------------------	---------------------

Cable section, maximum	1.5 mm ²
------------------------	---------------------

Ambient conditions

Degree of protection	IP66
Ambient temperature	-10 ... +60 °C
Storage and transport temperature	-40 ... +80 °C
Relative humidity, minimum	45 %
Relative humidity, maximum	85 %
Note (Relative humidity)	non-condensing
Resistance to vibrations	Operation: 5 ... 55 Hz, Amplitude 0,5 mm min./ Damage: 16,7 Hz, Amplitude 1,5 mm min.
Resistance to shock	Betrieb: 150 m/s ² , Zerstörung: 1.000 m/s ²

Ambient conditions - Insulation values

Rated impulse withstand voltage U_{imp}	2.5 kV
--	--------

Electrical data

Rated operating voltage	250 VAC
Operating current	2,500 mA
External wire and device fuse rating	10A f
Switching element	NO contact, NC contact
Switching principle	Slow action
Maximale Schalthäufigkeit	1,200 /h

Electrical data - Contacts

Voltage, Utilisation category AC-15	125 VAC
Current, Utilisation category AC-15	1.5 A
Voltage, Utilisation category DC-13	125 VDC

Current, Utilisation category DC-13 0.22 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC-15 125 VAC

Current, Utilisation category AC-15 1 A

Voltage, Utilisation category DC-13 125 VDC

Current, Utilisation category DC-13 0.22 A

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

| 16.4 kB | .jpg | 29.281 x 123.472 mm - 83 x 350 px - 72 dpi

| 19.0 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 42279 Wuppertal

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.

Generated on: 03/02/2026, 15:36