DATASHEET



EX-AZ 3350-12ZUEK-3D

- Ex-Zone 22
- Metal enclosure
- 40,5 mm x 114 mm x 38 mm
- Latching handle
- 1 Cable entry M 20 x 1.5
- Centring device available
- High level of contact reliability with low voltages and currents
- SZ 415 lockout tag to prevent unintended closing

Data

Ordering data

Product type description	EX-AZ 3350-12ZUEK-3D
Article number (order number)	101214050
EAN (European Article Number)	4030661397566
eCl@ss number, version 12.0	27-27-06-10
eCl@ss number, version 11.0	27-27-06-10
eCl@ss number, version 9.0	27-27-06-10
ETIM number, version 7.0	EC002592
ETIM number, version 6.0	EC002592

Approvals - Standards

Certificates	TÜV

Explosion protection

Explosion protection: regulations	EN IEC 60079-0 EN 60079-31

Explosion protection zones	22
Explosion protection category	3D
Explosion protection designation	II 3D Ex tc IIIC T90°C Dc X
Manufacturer declaration	Additional simple electrical apparatus (Zone 0 and 20)

General data

Standards	EN IEC 60947-5-1
Housing material	Light alloy die-casting
Housing coating material	painted
Gross weight	250 g

General data - Features

Number of auxiliary contacts	1
Number of safety contacts	2

Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B_{10D} Normally-closed contact (NC)	2,000,000 Operations
B_{10D} Normally open contact (NO)	1,000,000 Operations
Note (B_{10D} Normally open contact (NO))	at 10% I_e and ohmic load

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Positive break travel	10.7 mm
Positive break force, minimum	5 N
Note (Positive break force)	per NC

Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable cross-section of the cable glands, minimum	6 mm
Cable cross-section of the cable glands, maximum	12 mm
Cable section, minimum	0.75 mm²
Cable section, maximum	2.5 mm²
Note (Cable section)	All indications including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	38 mm
Width of sensor	40.5 mm
Height of sensor	114 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-10 ... +60 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	250 VAC
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	10 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A

Switching element	NO contact, NC contact
Switching principle	Slow action
Material of the contacts, electrical	Silver

Scope of delivery

Scope of delivery	Actuator must be ordered separately. Ex-certified screwed cable gland

Ordering code

Product type description:
EX-AZ 3350-(1)-(2)-(3)-3D

(1)

03ZK	3 NC contact
12ZUEK	1 NO contact/2 NC contacts

(2)

without	-
1637	Gold-plated contacts

(3)

U90	Actuating head can be rotated 90° for door hinge left
U270	Actuating head can be rotated 270° for door hinge right

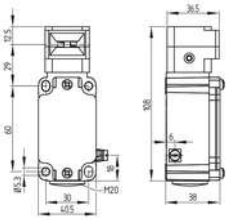
Pictures

Product picture (catalogue individual photo)



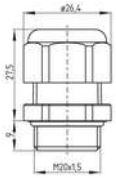
ID: kexazf15
| 752.1 kB | .jpg | 352.778 x 613.481 mm - 1000 x 1739 px - 72 dpi
| 59.0 kB | .png | 74.083 x 128.764 mm - 210 x 365 px - 72 dpi
| 39.0 kB | .jpg | 70.908 x 123.472 mm - 201 x 350 px - 72 dpi

Dimensional drawing basic component



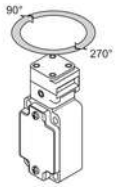
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| 73.8 kB | .cdr |
| 10.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 104.4 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

Dimensional drawing basic component



ID: 1xzm1g04
| 2.4 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 46.3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Operating principle



ID: 1az33e03
| 64.9 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi
| 7.6 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220
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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