DATASHEET



EX-AZ 3350-12ZUEK-U270-3D

- Actuating head rotated by 270°
- 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-U270-3D
Article number (order number)	101185216
EAN (European Article Number)	4030661345918
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	195 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
Door hinge	Right

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

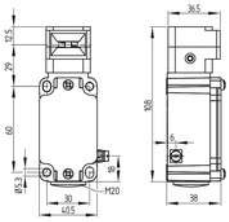
Pictures

Product picture (catalogue individual photo)



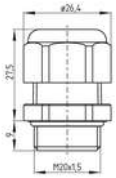
ID: kexazf15
| 752.1 kB | .jpg | 352.778 x 613.481 mm - 1000 x 1739 px - 72 dpi
| 59.0 kB | .png | 74.083 x 128.764 mm - 210 x 365 px - 72 dpi
| 39.0 kB | .jpg | 70.908 x 123.472 mm - 201 x 350 px - 72 dpi

Dimensional drawing basic component



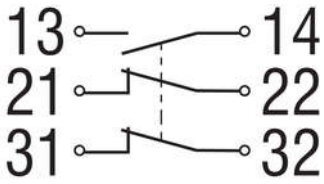
ID: 1x335g03
| 73.8 kB | .cdr |
| 10.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 104.4 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

Dimensional drawing basic component



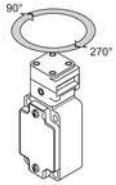
ID: 1xzm1g04
| 2.4 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 46.3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



ID: k2o1sk02
| 82.3 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548 px - 72 dpi
| 3.2 kB | .png | 74.083 x 40.569 mm - 210 x 115 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

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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