



EX-AZM 170-02ZRKA-24VAC/DC-3G/D

- Manual release
- Ex-Zone 2 and 22
- High holding force
- 90 mm x 84 mm x 30 mm
- Thermoplastic enclosure
- 1 Cable entry M 20 x 1.5
- IDC method of termination
- Interlock with protection against incorrect locking.

Data

Ordering data

	EX-AZM 170-02ZRKA-24VAC/DC-3G/D
	101194966
EAN (European Article Number)	4030661360010
eCl@ss number, Version 9.0	27-27-26-03

Explosion protection

BG-GS-ET-19
 EN 60079-0
 EN 60079-15
 EN 60079-31
 EN 60947-5-1
 22
 2
 3D
 3G
 ⚡ II 3G Ex nC IIB T5 Gc X
 ⚡ II 3D Ex tc IIIC T80°C Dc X

Manufacturer declaration	ATEX Zone 2 and 22
--------------------------	--------------------

General data

	EX-AZM 170
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver

Gross weight	289 g
--------------	-------

General data - Features

Power to lock	Yes
Manual release	Yes
Number of safety contacts	2

Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
-----------------------------------	----------------------

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Impact energy, maximum	1 J
Clamping force	1,000 N
Latching force	30 N
positive break travel	11 mm
Positive break force, minimum	17 N
Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Terminal Connector	IDC method of termination
Cable cross-section of the cable glands, minimum	6.5 mm
Cable cross-section of the cable glands, maximum	12 mm
Cable section, minimum	2 x 1.0 mm ² , flexible
Cable section, maximum	1 x 1 mm ² , flexible

Mechanical data - Dimensions

Height of sensor	84 mm
Length of sensor	30 mm
Width of sensor	90 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-15 °C
Ambient temperature, maximum	+45 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage 4 kV

Electrical data

Thermal test current	2 A
Rated control voltage	24 VAC
Rated control voltage	24 VDC
Utilisation category AC-15	230 VAC
Utilisation category AC-15	2 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	2 A
Electrical power consumption, maximum	10 W
Switching element	Opener (NC)
Switching principle	Creep circuit element

Scope of delivery

Included in delivery	Actuators must be ordered separately. Including Ex-certified screwed cable gland and screw plug
----------------------	--

Notes

Note (General)	This type termination (IDC) method enables simple connection of flexible conductors without the need for the use of conductor ferrules
Note (Manual release)	bottom For manual release using M5 triangular key, available as accessory

Ordering code

Product type description:

EX-AZM 170-(1)Z(2)K(3)-24VAC/DC-(4)-3G/D

(1)

11 1 NO contacts/1 NC contact

02 2 NC contact

(2)

without Latching force 5 N

R Latching force 30 N

(3)

without Power to unlock

Graphic/Product/Contact

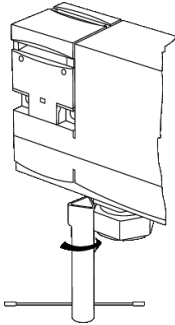
ID: kazm1k11



| 1,8 kB | .png | 74.083 x 23.989 mm - 210 x 68 Pixel - 72 dpi

| 7,1 kB | .jpg | 74.083 x 23.989 mm - 210 x 68 Pixel - 72 dpi

Illustration/Product/Function

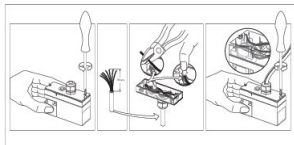


ID: kazm1a70

| 213,5 kB | .jpg | 352.778 x 656.519 mm - 1000 x 1861 Pixel - 72 dpi

| 6,5 kB | .png | 74.083 x 137.583 mm - 210 x 390 Pixel - 72 dpi

Graphic/Product/Mounting



ID: kazm1m06

| 98,4 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-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 332021-01-31T16:52:33+01:000401Europe/BerlinSun, 31 Jan 2021 16:52:33

+010033pmSunday.31pm31Europe/BerlinCET5201Europe/BerlinJanuary2021Sun, 31 Jan 2021 16:52:33

+010001pm31