SCHMERSAL
THE DNA OF SAFETY



EX-AZM 161CC-12/12RKA-024-3D

- **Ex-Zone 22**
- **6 Contacts**
- **Cage clamps**
- **Manual release**
- **Clamping force 2000N**
- **Thermoplastic enclosure**
- **130 mm x 114 mm x 30 mm**
- **cable entries 4 M 16 x 1.5**
- **Interlock with protection against incorrect locking.**

Data

Ordering data	
	EX-AZM 161CC-12/12RKA-024-3D
	103002620
EAN (European Article Number)	4030661425047
Explosion protection	
	EN 60079-0 EN 60079-31 EN 60947-5-1
	⟨Ex⟩ II 3D Ex tc IIIC T80°C Dc X
Manufacturer declaration	ATEX Zone 22
General data	
	EX-AZM 161
	EN 60947-5-1
Active principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	470 g

General data - Features	
Power to lock	Yes
Manual release	Yes
Number of actuating directions	3
Number of auxiliary contacts	2
Number of safety contacts	4
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
Actuating play in direction of actuation	5.5 mm
Impact energy, maximum	1 J
Latching force	30 N
positive break travel	10 mm
Positive break force, minimum	20 N
Actuating speed, maximum	1 m/s
Mechanical data - Connection technique	
Terminal Connector	Cage clamps
Cable cross-section of the cable glands, minimum	5 mm
Cable cross-section of the cable glands, maximum	10 mm
	1 x 0.75 mm²
	1 x 1.5 mm²
Mechanical data - Dimensions	
Height of sensor	114 mm
Length of sensor	30 mm
Ambient conditions	
	IP67
Ambient temperature, minimum	-10 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation value	
Rated impulse withstand voltage	4 kV
Electrical data	
Rated control voltage	24 VAC
Rated control voltage	24 VDC
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	2.5 A
Electrical power consumption, maximum	10 W
Switching element	NO contact, NC contact
Switching principle	Creep circuit element
Switching frequency	1,000 /h
Electrical data - Safety contacts	
Current, Utilisation category AC-15	4 A
Current, Utilisation category DC13	2.5 A
Electrical data - Auxiliary contacts	
Current, Utilisation category AC-15	4 A
Current, Utilisation category DC13	2.5 A
Scope of delivery	
Included in delivery	Actuators must be ordered separately. Including Ex-certified screwed cable gland and screw plug
Notes	
Note (Manual release)	For maintenance, installation, etc.
Ordering code	

Product type description:

EX-AZM 161 (1)-12/12-(2)K(3)-024-3D

(1)

SK Screw connection

CC Cage clamps

(2)

without Latching force 5 N

R Latching force 30 N

(3)

without Power to unlock

A Power to lock

Pictures

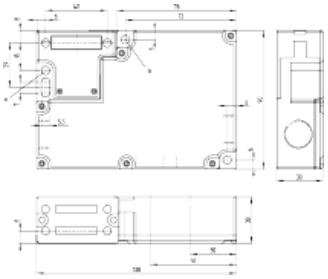
Photo/Product/Catalogue



ID: kexazf09

| 844,6 kB | .jpg | 352.778 x 300.919 mm - 1000 x 853 Pixel - 72 dpi
| 60,9 kB | .png | 74.083 x 63.147 mm - 210 x 179 Pixel - 72 dpi

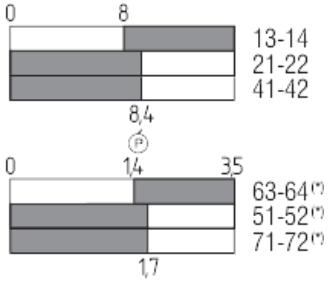
Dimension/Product/Basic



ID: kazm1g09

| 137,3 kB | .cdr |
| 139,6 kB | .jpg | 352.778 x 298.097 mm - 1000 x 845 Pixel - 72 dpi
| 4,5 kB | .png | 74.083 x 62.442 mm - 210 x 177 Pixel - 72 dpi

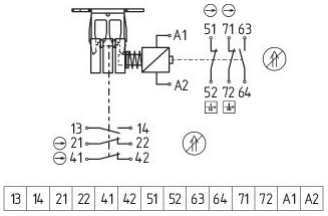
Diagramm/Product/Travel



ID: kazm1s07

| 102,8 kB | .jpg | 352.778 x 304.8 mm - 1000 x 864 Pixel - 72 dpi
| 2,9 kB | .png | 74.083 x 63.853 mm - 210 x 181 Pixel - 72 dpi

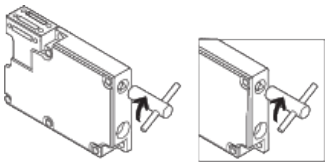
Graphic/Product/Contact



ID: kazm1k29

| 111,9 kB | .jpg | 352.778 x 227.894 mm - 1000 x 646 Pixel - 72 dpi

Illistration/Product/Function



ID: kazm1a41

| 13,0 kB | .png | 74.083 x 35.983 mm - 210 x 102 Pixel - 72 dpi
| 105,3 kB | .jpg | 352.778 x 170.744 mm - 1000 x 484 Pixel - 72 dpi
| 48,4 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 292021-01-31T16:55:29+01:000401Europe/BerlinSun, 31 Jan 2021 16:55:29 +010029pmSunday.31pm31Europe/BerlinCET5501Europe/BerlinJanuary2021Sun, 31 Jan 2021 16:55:29 +010001pm31