



EX-AZM 161SK-12/12RK-024 -3D

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

Data

Ordering data

Product type description	EX-AZM 161SK-12/12RK-024 -3D
Article number (order number)	101185420
EAN (European Article Number)	4030661324982
eCl@ss number, version 12.0	27-27-26-03
eCl@ss number, version 11.0	27-27-26-03
eCl@ss number, version 9.0	27-27-26-03
ETIM number, version 7.0	EC002593
ETIM number, version 6.0	EC002593

Explosion protection

Explosion protection: regulations	EN IEC 60079-0 EN IEC 60079-31
Explosion protection zones	22
Explosion protection category	3D
Explosion protection designation	Ⓔ II 3D Ex tc IIIC T80°C Dc X

General data

Standards	EN IEC 60947-5-1
Working 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 unlock	Yes
Manual release	Yes
Number of actuating directions	3
Number of auxiliary contacts	2
Number of safety contacts	4

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
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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

Termination	Screw terminals
Cable cross-section of the cable glands, minimum	5 mm
Cable cross-section of the cable glands, maximum	10 mm
Cable section, minimum	1 x 0.75 mm ²
Cable section, maximum	1 x 1.5 mm ²
Note (Cable section)	All indications including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	30 mm
Height of sensor	114 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-10 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	250 V
Rated impulse withstand voltage U_{imp}	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	Slow action
Switching frequency	1,000 /h

Electrical data - Safety contacts

Current, Utilisation category AC-15	4 A
Current, Utilisation category DC-13	2.5 A

Electrical data - Auxiliary contacts

Current, Utilisation category AC-15	4 A
Current, Utilisation category DC-13	2.5 A

Scope of delivery

Scope of delivery	Actuators must be ordered separately. Including Ex-certified screwed cable gland and screw plug
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Note

Note (Manual release)	For maintenance, installation, etc. For manual release using M5 triangular key, available as accessory
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Ordering code

Product type description:
EX-AZM 161 (1)-12/12-(2)K(3)-024-3D

(1)

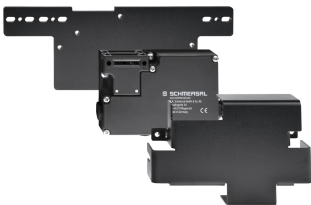
SK

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

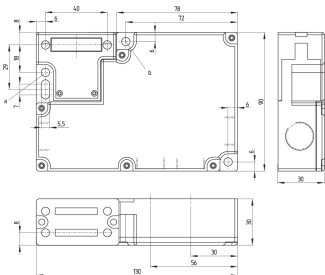
Pictures

Product picture (catalogue individual photo)



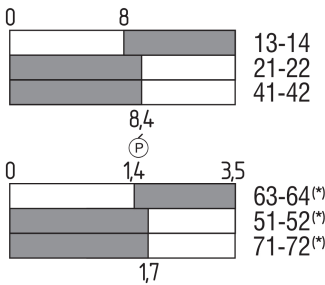
ID: kxazm1f06
 | 197.6 kB | .jpg | 352.778 x 236.714 mm - 1000 x 671 px - 72 dpi
 | 21.2 kB | .png | 74.083 x 49.742 mm - 210 x 141 px - 72 dpi

Dimensional drawing basic component



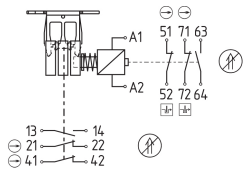
ID: kazm1g09
 | 137.3 kB | .cdr |
 | 4.5 kB | .png | 74.083 x 62.442 mm - 210 x 177 px - 72 dpi
 | 139.6 kB | .jpg | 352.778 x 298.097 mm - 1000 x 845 px - 72 dpi

Switch travel diagram



ID: kazm1s07
 | 2.9 kB | .png | 74.083 x 63.853 mm - 210 x 181 px - 72 dpi
 | 102.8 kB | .jpg | 352.778 x 304.8 mm - 1000 x 864 px - 72 dpi

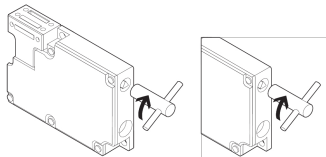
Diagram



11	12	21	22	41	42	51	52	63	64	71	72	A1	A2
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ID: kazm1k29
| 80.8 kB | .ai | 297 x 210.002 mm - 841 x 595 px - 72 dpi
| 111.9 kB | .jpg | 352.778 x 227.894 mm - 1000 x 646 px - 72 dpi
| 4.8 kB | .png | 74.083 x 47.978 mm - 210 x 136 px - 72 dpi

Operating principle



ID: kazm1a41
| 105.3 kB | .jpg | 352.778 x 170.744 mm - 1000 x 484 px - 72 dpi
| 13.0 kB | .png | 74.083 x 35.983 mm - 210 x 102 px - 72 dpi

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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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