AZM 161SK-12/12RI-024-B6R



- **Long life**
- **Compact design**
- **right-hand model**
- **Double-insulated**
- **Screw connection**
- **Individual coding**
- **High holding force**
- **130 mm x 90 mm x 30 mm**
- **1 Cable entry M 20 x 1.5**
- **Manual release from side**
- **Coding level "High" according to ISO 14119**
- **Interlock with protection against incorrect locking.**
- **For very smal actuating radii in line with or at 90° to the plane of the actuator**

Data

Ordering data	
	AZM 161SK-12/12RI-024-B6R
	101215869
EAN (European Article Number)	4030661405018
eCl@ss number, Version 9.0	27-27-26-03
Approval - Standards	
	cULus CCC EAC
General data	
	AZM 161I
	EN 60947-5-1 BG-GS-ET-19
general information	Individual coding
Coding level according to ISO 14119	High
Active principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the actuator	Stainless steel
Material of the contacts, electrical	Silver
Gross weight	500 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 appraisal	
	ISO 13849-1
Mission Time	20 Year(s)
Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	2,000,000 Operations
B10d Normally open contact (NO)	1,000,000 Operations
Mechanical data	
Actuating radius, minimum	95 mm
Mechanical life, minimum	1,000,000 Operations
Clamping force in accordance with ISO14119 F_{zh}	2,000 N
Latching force	30 N
positive break travel	10 mm
Positive break force, minimum	20 N
Actuating speed, maximum	2 m/s
Mechanical data - Connection technique	
Terminal Connector	Screw terminals
	1 x 0.25 mm²
Cable section, maximum	1 x 1.5 mm², flexible
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Mechanical data - Dimensions	
Height of sensor	90 mm
Length of sensor	30 mm
Width of sensor	130 mm
Ambient conditions	
Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+60 °C

Ambient conditions - Insulation value	
Rated impulse withstand voltage	4 kV
Electrical data	
Thermal test current	6 A
Rated control voltage	24 VAC/DC
Required rated short-circuit current to EN 60947-5-1	1,000 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	
Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2.5 A
Electrical data - Auxiliary contacts	
Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2.5 A
Other data	
Note (applications)	sliding safety guard removable guard hinged safety guard
Scope of delivery	
Included in delivery	Slot sealing plugs
Delivery scope of Mounting material	Tamperproof screws
Notes	
Note (General)	The axis of the hinge must be 11 mm above and in a parallel plane to the top surface of the safety switch. Actuating radius adjustable to minimum 95 mm, using a hexagonal key wrench AF 2.5 mm (a) The actuator is not available separately.

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

Ordering code

Product type description:

AZM 161(1)(2)(3)I(4)(5)(6)(7)(8)(9)

(1)
CC Cage clamps
SK Screw terminals
ST M12 connector

(2)
11/03 1 NO contacts / 4 NC contacts (conector version)
12/11 2 NO contacts / 3 NC contacts (conector version)
12/03 1 NO contacts/5 NC contact
11/12 2 NO contacts / 3 NC contacts (conector version)
12/12 2 NO contacts/4 NC contacts

(3)
without Latching force 5 N
R Latching force 30 N

(4)
without Power to unlock
A Power to lock

(5)
without Lateral manual release
ED Manual release on the cover side
EU Manual release on the rear side

(6)
T Lateral emergency exit
TD Emergency exit on the cover side
TU Emergency exit on the rear side
N Emergency release

(7)
024 Us: 24 VAC/DC
110/230 Us: 110/230 VAC

(8)
without with LED (only for Us: 24 VAC/DC)

(9)

Pictures

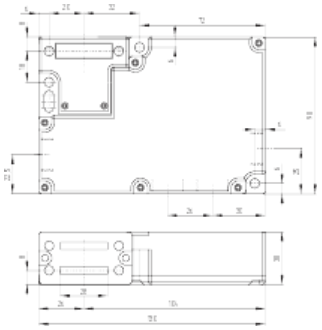
Photo/Product/Catalogue



ID: kazm1f15

| 238,2 kB | .jpg | 352.778 x 251.883 mm - 1000 x 714 Pixel - 72 dpi
| 19,4 kB | .png | 74.083 x 52.917 mm - 210 x 150 Pixel - 72 dpi

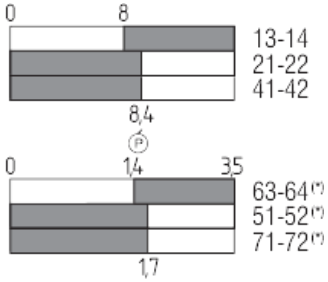
Dimension/Product/Basic



ID: kazm1g20

| 154,6 kB | .jpg | 352.425 x 362.303 mm - 999 x 1027 Pixel - 72 dpi
| 4,8 kB | .png | 73.731 x 75.847 mm - 209 x 215 Pixel - 72 dpi
| 39,1 kB | .cdr |

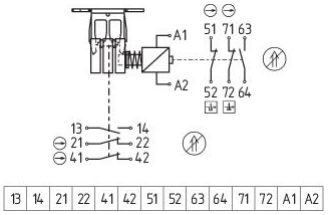
Diagramm/Product/Travel



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

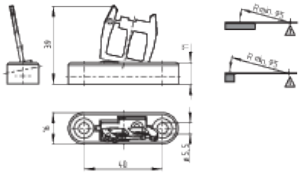
Graphic/Product/Contact



ID: kazm1k29

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

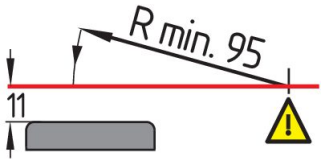
Dimension/Product/Actuator



ID: 1azm1b32

| 109,6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi
| 10,8 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 54,1 kB | .cdr |

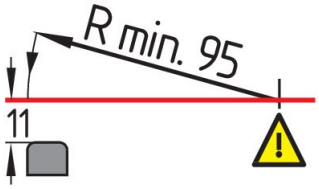
Graphic/Product/Radius



ID: kazm1r04

| 19,8 kB | .cdr |

Graphic/Product/Radius



ID: kazm1r06

| 19,8 kB | .cdr |

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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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