

AZM 161SK-12/12RIED/TU-024-B6R



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

Data

Ordering data

	AZM 161SK-12/12RIED/TU-024-B6R
	101217662
EAN (European Article Number)	4030661413068
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
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General data - Features

Power to lock	Yes
Emergency exit	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 mm ²
Cable section, maximum	1 x 1.5 mm ² , 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
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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
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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.
	The emergency exit is used where an intervention in an already locked hazardous area is required
Note (Emergency exit)	Emergency exit by pressing the red push button
	Top-side (ordering suffix -TD) or rear-side (ordering suffix -TU) mounting possible
	Resetting by pulling on the red latched button
Note (Manual release)	For maintenance, installation, etc.
	For manual release using M5 triangular key, available as accessory
Note (Emergency exit, Manual release)	A combination of manual release and emergency exit in different mounting directions is only possible for the following variants: -ED/-TU and -TD/-EU

Ordering code

Product type description:

AZM 161(1)(2)(3)(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 (connector version)

12/11 2 NO contacts / 3 NC contacts (connector version)

12/03 1 NO contacts/5 NC contact

11/12 2 NO contacts / 3 NC contacts (connector 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

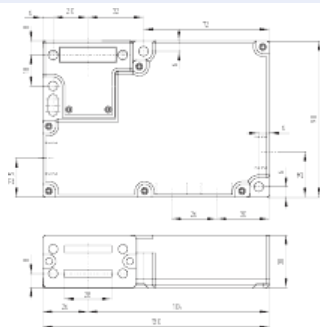
| 238,2 kB | .jpg | 352.778 x 251.883 mm - 1000 x 714

Pixel - 72 dpi

| 19,4 kB | .png | 74.083 x 52.917 mm - 210 x 150

Pixel - 72 dpi

Dimension/Product/Basic



ID: kazm1g20

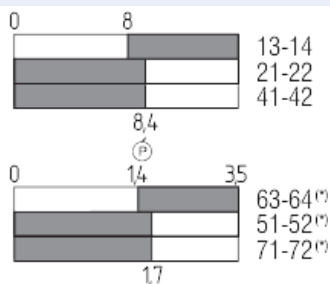
| 154,6 kB | .jpg | 352.425 x 362.303 mm - 999 x 1027

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



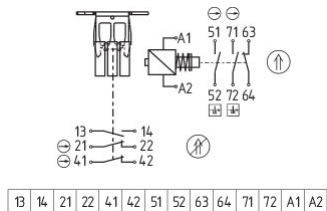
ID: kazm1s07

| 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

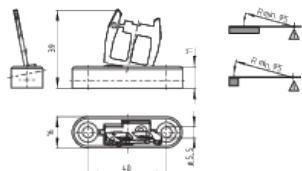
Graphic/Product/Contact



ID: kazm1k30

| 111,7 kB | .jpg | 352.778 x 227.542 mm - 1000 x 645
Pixel - 72 dpi

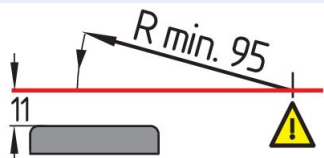
Dimension/Product/Actuator



ID: lazm1b32

| 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 |

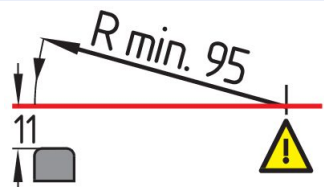
Graphic/Product/Radius



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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