DATASHEET



AZ 15 ZVRK-M20

- 3 cable entries M 20 x 1.5
- Thermoplastic enclosure
- Double-insulated
- Long life
- 52 mm x 75 mm x 30 mm
- Universal coding
- Large wiring compartment
- High level of contact reliability with low voltages and currents
- Slotted holes for adjustment, circular holes for location
- Insensitive to soiling

Data

Ordering data

Product type description	AZ 15 ZVRK-M20
Article number (order number)	101157376
EAN (European Article Number)	4030661180069
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02
ETIM number, version 7.0	EC002592
ETIM number, version 6.0	EC002592

Approval - Standards

Certificates	TÜV cULus CCC EAC

General data

Coding level according to ISO 14119	Low

Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	95 g

General data - Features

Suitable for elevators	Yes
Number of safety contacts	1

Safety appraisal

Standards	BG-GS-ET-15 EN ISO 13849-1 EN 60947-5-1
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
Latching force	30 N
positive break travel	8 mm
Positive break force, minimum	10 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Terminal Connector	Screw terminals
Cable entry	3 x M20 x 1,5
Cable section, minimum	0.25 mm²
Cable section, maximum	2.5 mm²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	52 mm
Height of sensor	75 mm

Ambient conditions

Degree of protection	IP67 to EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	6 kV

Electrical data

Thermal test current	10 A
Switching element	Opener (NC)
Switching principle	Creep circuit element

Electrical data - Safety contacts

Voltage, Utilisation category AC-15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC-13	24 VDC
Current, Utilisation category DC-13	4 A

Scope of delivery

Included in delivery	Actuators must be ordered separately.

Ordering code

Product type description:
AZ 15 ZV(1)K-(2)-(3)

(1)

without	Ejection force
R	Latching force 30 N

(2)

M16	cable entry M16
M20	Cable entry M20
ST	M12 connector, 4 pole

(3)

2254	Latching force 5 N
1762	Front mounting
1637	Gold-plated contacts

Documents

Operating instructions and Declaration of conformity

AZ 15/16 (413.6 kB, 18.11.2020, W)

Operating instructions and Declaration of conformity

(411.7 kB, 08.07.2021, W)

CCC certification

AZ 15 / AZ 16 / AZ 17 / AZ 335 / AZ 355 (3.4 MB, 30.09.2020)

EAC certification

(1.9 MB, 05.11.2019)

UL Certificate

AZ 10 / AZ 15 / AZ 16 / AZ 20 (413.2 kB, 01.08.2019)

SISTEMA-VDMA library

(131.9 kB, 09.12.2021)

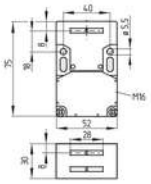
Pictures

Product picture (catalogue individual photo)



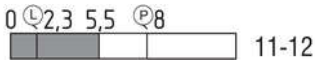
ID: kaz15f01
| 409.7 kB | .jpg | 168.981 x 228.6 mm - 479 x 648 px - 72 dpi
| 105.9 kB | .png | 74.083 x 100.189 mm - 210 x 284 px - 72 dpi

Dimensional drawing basic component



ID: 1az15g01
| 39.6 kB | .cdr |
| 3.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 61.6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Switch travel diagram



ID: kaz15s01
| 19.1 kB | .cdr |
| 1.5 kB | .png | 74.083 x 12.7 mm - 210 x 36 px - 72 dpi
| 33.3 kB | .jpg | 352.778 x 60.325 mm - 1000 x 171 px - 72 dpi

Diagram



ID: k1o--k01
| 16.8 kB | .cdr |
| 20.8 kB | .jpg | 352.778 x 53.622 mm - 1000 x 152 px - 72 dpi

System components

Actuator



BETAETIGER AZ 15/16-B1 KPL.

- Straight actuator
- Particularly suitable for sliding doors



AZ 15/16-B1-1747 NACHRUESTSATZ

- For play-free interlocking of light guards
- The magnetic latch can be easily fitted in any actuating plane
- Suitable for retrofitting
- Straight actuator with magnetic latch
- Particularly suitable for sliding doors



AZ 15/16-B1-2024 NACHRUESTSATZ

- For protection against the ingress of course dirt
- Straight actuator with slot lip-seal
- Particularly suitable for sliding doors



AZ 15/16-B1-2053 NACHRUESTSATZ

- For interlocking of light to medium-weight guards
- Straight actuator with ball latch
- Particularly suitable for sliding doors



AZ 15/16-B1-2177 NACHRUESTSATZ

- For interlocking of light, unguided guards



BETAETIGER AZ 15/16-B1-2245 KPL.

- Damps vibration on guard device
- Straight actuator with rubber mounting
- Particularly suitable for sliding doors



BETAETIGER AZ 15/16-B2 KPL.

- For very smal actuating radii in line with the plane of the actuator



AZ 15/16-B2-1747 NACHRUESTSATZ

- For very smal actuating radii in line with the plane of the actuator
- Suitable for retrofitting
- For play-free interlocking of light guards
- The magnetic latch can be easily fitted in any actuating plane



BETAETIGER AZ 15/16-B3 KPL.

- For very smal actuating radii at 90° to the plane of the actuator



AZ 15/16-B3-1747 NACHRUESTSATZ

- For very smal actuating radii at 90° to the plane of the actuator
- Suitable for retrofitting
- For play-free interlocking of light guards
- The magnetic latch can be easily fitted in any actuating plane



BETAETIGER AZ 15/16-B6 KPL.

- For very smal actuating radii in line with or at 90° to the plane of the actuator



AZ 15 ZO-2036-3

- Thermoplastic enclosure
- Double-insulated
- Long life
- 52 mm x 75 mm x 30 mm
- Universal coding
- Large wiring compartment
- High level of contact reliability with low voltages and currents
- Slotted holes for adjustment, circular holes for location
- Insensitive to soiling



AZ 16-STS30-01



AZ 16-STS30-02



AZ 16-STS30-04



AZ 16-STS30-05



AZ 16-STS30-06

	**AZ 16-STS30-07**
	**AZ 16-STS30-08**

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220
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: 11/01/2022, 5:43 am