



## AZ 15 ZVK-M16

- 3 cable entries M 16 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 ZVK-M16
Article number (order number)	101152787
EAN (European Article Number)	4030661166308
eCl@ss number, version 12.0	27-27-26-02
eCl@ss number, version 11.0	27-27-26-02
eCl@ss number, version 9.0	27-27-26-02
ETIM number, version 7.0	EC002592
ETIM number, version 6.0	EC002592

### Approvals - Standards

Certificates	TÜV cULus CCC
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## General data

Standards	EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	Low
Working principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross weight	100 g

## General data - Features

Ejection force	Yes
Suitable for elevators	Yes
Number of cable glands	3
Number of safety contacts	1

## Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

## Safety classification - Safety outputs

B <sub>10D</sub> Normally-closed contact (NC)	2,000,000 Operations
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## Mechanical data

Mechanical life, minimum	1,000,000 Operations
Positive break travel	8 mm
Positive break force per NC contact, minimum	10 N

Positive break force, minimum	10 N
Actuating speed, maximum	2 m/s
Mounting	Screws
Type of the fixing screws	2x M6

### Mechanical data - Connection technique

Termination	Screw terminals
Cable entry	3 x M16 x 1,5
Cable section, minimum	0.25 mm <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
Note (Cable section)	All indications including the conductor ferrules.
Allowed type of cable	solid single-wire solid multi-wire flexible

### Mechanical data - Dimensions

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

### Ambient conditions

Degree of protection	IP67
Ambient temperature	-30_+80
Storage and transport temperature, minimum	-40 °C
Storage and transport temperature, maximum	+85 °C
Permissible installation altitude above sea level, maximum	2,000 m

### Ambient conditions - Insulation values

Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	6 kV
Overtoltage category	III
Degree of pollution	3

## Electrical data

Thermal test current	10 A
Required rated short-circuit current	1,000 A
Switching element	Opener (NC)
Switching principle	slow action, positive break NC contact
Switching frequency	4,000 /h
Material of the contacts, electrical	Silver

## 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

Scope of delivery	Actuators must be ordered separately.
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## Ordering code

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

(1)

**without**

Ejection force

**R**

Latching force 30 N

(2)

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<b>M16</b>	cable entry M16
<b>M20</b>	Cable entry M20
<b>ST</b>	M12 connector, 4 pole

(3)

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<b>2254</b>	Latching force 5 N
<b>1762</b>	Front mounting
<b>1637</b>	Gold-plated contacts

## Documents

### Operating Instructions and Declaration of Conformity (Short)

Operating instructions in short form (For further information and languages, see the "Operation and assembly" tab)  
(389.3 kB, 12/05/2022)

### Operating instructions and Declaration of conformity

AZ 15/16 (411.7 kB, 07/08/2021, W)

### BG-test certificate

AZ 15 ZVK (1.7 MB, 05/10/2019, Revision 01)

### CCC certification

AZ 15 / AZ 16 / AZ 17 / AZ 335 / AZ 355 (1.6 MB, 08/26/2022)

### UL Certificate

AZ 10 / AZ 15 / AZ 16 / AZ 20 (413.2 kB, 08/01/2019)



# System components

## Actuator



### AZ 15/16-B1-1747 RETROFIT KIT

- 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 RETROFIT KIT

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



### AZ 15/16-B1-2053 RETROFIT KIT

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



### AZ 15/16-B1-2177 RETROFIT KIT

- For interlocking of light, unguided guards



### ACTUATOR AZ 15/16-B1-2245 KPL.

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



**AZ 15/16-B2-1747 RETROFIT KIT**

- For very small 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



**AZ 15/16-B3-1747 RETROFIT KIT**

- For very small 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



**ACTUATOR AZ 15/16-B6 CPL.**

- For very small 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-ST530-01**

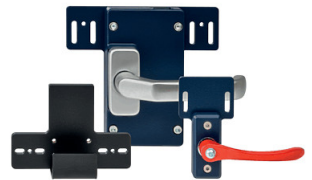




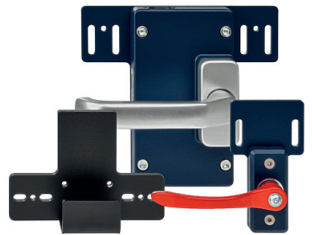
**AZ 16-STS30-02**



**AZ 16-STS30-04**



**AZ 16-STS30-05**



**AZ 16-STS30-06**



**AZ 16-STS30-07**



**AZ 16-STS30-08**



**AZ15/16-B1**

- Straight actuator
  - Particularly suitable for sliding doors
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**AZ15/16-B3**

- For very small actuating radii at 90° to the plane of the actuator
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**AZ15/16-B2**

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