Safety switch with separate actuator

AZ 16

- Thermoplastic enclosure
- Multiple coding
- Individual coding available on request
- Long life
- Double insulated
- 3 cable entries M16 x 1.5
- Large wiring compartment
- High level of contact reliability with low voltages and currents
- Not sensitive to dirty conditions by virtue of patented roller system
- Available with LED
- Slotted holes for adjustment, circular holes for location
- AS-Interface Safety at Work available, see chapter 5

Technical data

Standards: IEC/EN 60947-5-1
Enclosure: glass-fibre reinforced thermoplastic, self-extinguishing
Actuator: stainless steel 1.4301
Protection class: IP 67 to EN 60529
Contact material: silver
Contact type: change-over contact with double break, type Zb or 2 NC or 3 NC contacts, with galvanically separated contact bridges
Switching system: IEC 60947-5-1, slow action, NC contact with positive break
Connection: screw terminals
Cable section: max. 2.5 mm² (incl. conductor ferrules)
Cable entry: 3 x M16 x 1.5
Uimp: 6 kV
U: 500 V
Iimp: 10 A
Utilisation category: AC-15, DC-13
Ie/Ue: 4 A / 230 VAC
4 A / 24 VDC
Max. fuse rating: 6 A gG D-fuse
Positive break travel: 8 mm
Positive break force: 10 N for each NC contact fitted
Ambient temperature: – 30 °C ... + 80 ºC
Mechanical life: > 1 million operations
Latching force: 30 N for ordering suffix r

Contact variants

1 NO / 1 NC
2 NC
3 NC
1 NO / 2 NC

Note

Actuators must be ordered separately.

Approvals

Ordering details

AZ16-zv k-3-4-5

No. | Replace | Description
---|---|---
1 | 02 | 1 NO / 1 NC
1 | 03 | 2 NC
1 | 12 | 3 NC
1 | 13 | 1 NO / 2 NC
2 | r | Ejection force
3 | G24 | Latching force 30 N
4 | M20 | With LED
4 | ST | Cable entry M 16
4 | STL | Cable entry M 20
4 | STR | Connector M12 x 1 bottom
4 | 2254 | Connector M12 x 1 left
4 | 1762 | Connector M12 x 1 right
4 | 1637 | Latching force 5 N
4 | YE GN | Gold-plated contacts

Note

LED version:
Ordering suffix G24, only available for version with one NO and one NC contact.
Protected against incorrect polarity and voltage spikes.
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System components

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Ordering details

**Straight actuator**
- with magnetic latch: AZ 15/16-B1
- with slot lip-seal: AZ 15/16-B1-2024
- with ball latch: AZ 15/16-B1-2053

**Flexible actuator**
- AZ 15/16-B3
- AZ 15/16-B3-1747
- AZ 15/16-B6

- Actuator with or without emergency handle: AZ 16-B30

A detailed product description can be found in the „Safety door handle system STS“ brochure.
Safety switch with separate actuator

System components

Mounting set MS AZ 15/16

Front mounting AZ 15/16 -1762

Lockout tag SZ 16/335

Connector plug M 12 x 1

Slot sealing plug AZ 15/16-1476

Connector plug M 12 x 1 (with cable)

Ball catch 2053-2

Tamperproof screws

Ordering details

Mounting set MS AZ 15/16

Softout tag SZ 16/335

Slot sealing plug AZ 15/16-1476

Ball catch

Front mounting with M5 nuts -1762

Connector plug M 12 x 1 1093038

Connector plug M 12 x 1 (with cable) 1148412

Tamperproof screws with unidirectional slots

M5 x 12 1135338

M5 x 16 1135339

M5 x 20 1135340

(Quantity 2 pcs)