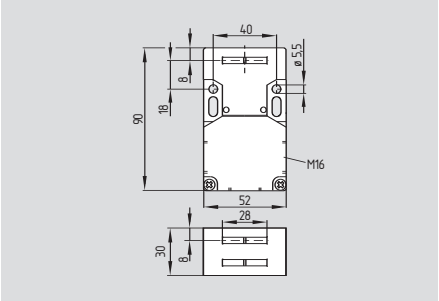
AZ 16





- 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 BG-GS-ET-15
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
U_{imp}:	6 kV
U_i:	500 V
I_{the}:	10 A
Utilisation category:	AC-15, DC-13
I_e/U_e:	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 °C
Mechanical life:	> 1 million operations
Latching force:	30 N for ordering suffix r

Contact variants

1 NO / 1 NC



2 NC



3 NC



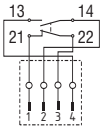
1 NO / 2 NC



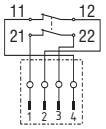
with individual coding



Connector
1 NO / 1 NC



2 NC



Approvals

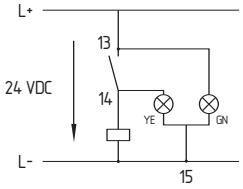
cULus CE

Ordering details

AZ16-①zv②k-③-④-⑤

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

Note



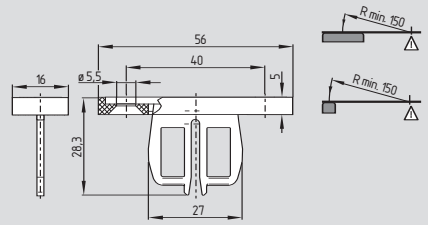
LED version:
Ordering suffix G24, only available for version with one NO and one NC contact. Protected against incorrect polarity and voltage spikes.

Note

Actuators must be ordered separately.

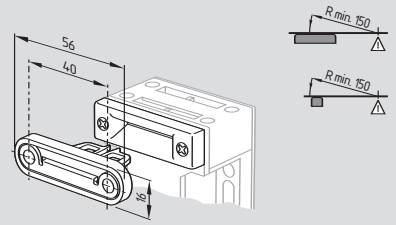
Safety switch with separate actuator

System components



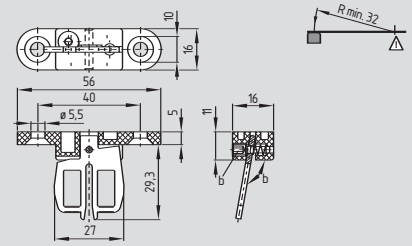
Straight actuator AZ 15/16-B1

System components

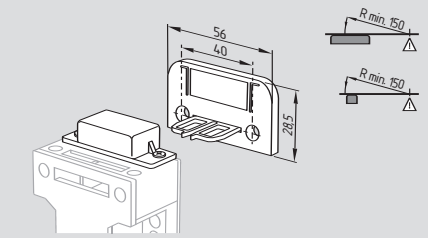


AZ 15/16-B1-2177 with centering guide

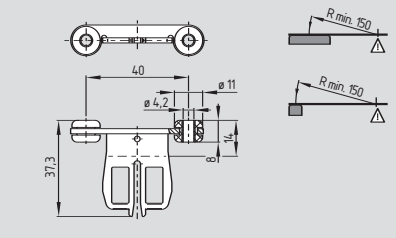
System components



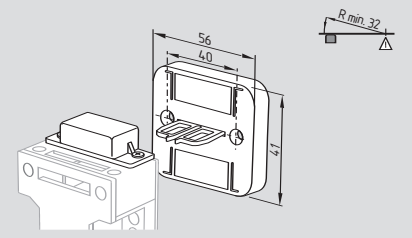
Flexible actuator AZ 15/16-B3



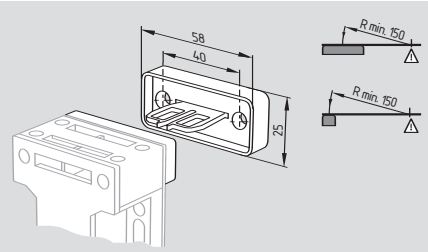
AZ 15/16-B1-1747 with magnetic latch



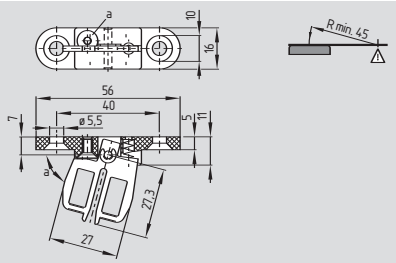
AZ 15/16-B1-2245 with rubber mounting



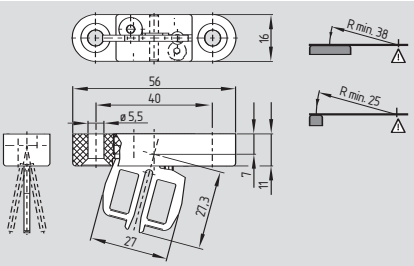
AZ 15/16-B3-1747 with magnetic latch



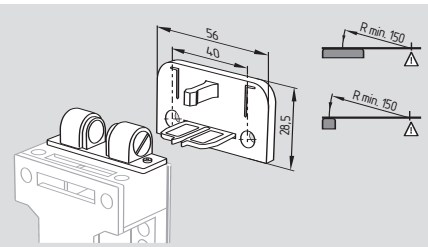
AZ 15/16-B1-2024 with slot lip-seal



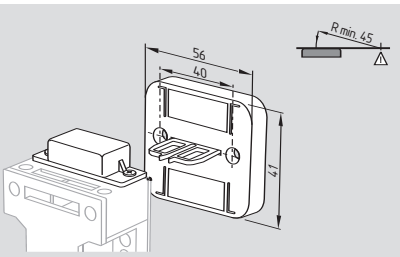
Flexible actuator AZ 15/16-B2



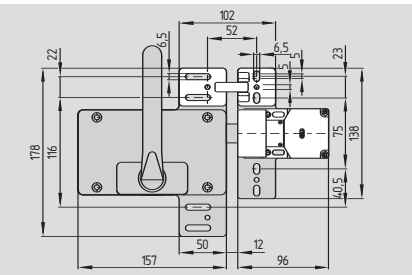
Flexible actuator AZ 15/16-B6



AZ 15/16-B1-2053 with ball latch



AZ 15/16-B2-1747 with magnetic latch



Actuator AZ 16-B30

Ordering details

Straight actuator	**AZ 15/16-B1**
with magnetic latch	**AZ 15/16-B1-1747**
with slot lip-seal	**AZ 15/16-B1-2024**
with ball latch	**AZ 15/16-B1-2053**

Ordering details

Straight actuator	
with centering guide	**AZ 15/16-B1-2177**
with rubber mounting	**AZ 15/16-B1-2245**
Flexible actuator	**AZ 15/16-B2**
with magnetic latch	**AZ 15/16-B2-1747**

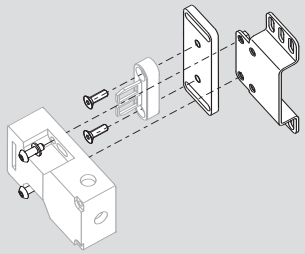
Ordering details

Flexible actuator	**AZ 15/16-B3**
with magnetic latch	**AZ 15/16-B3-1747**
Flexible actuator	**AZ 15/16-B6**

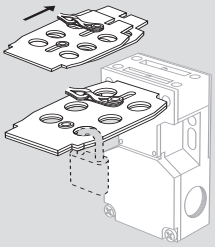
Actuator with or without emergency handle **AZ 16-B30**

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

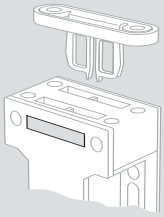
System components



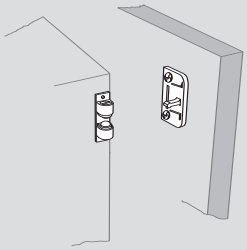
Mounting set MS AZ 15/16



Lockout tag SZ 16/335

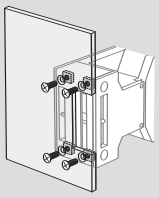


Slot sealing plug AZ 15/16-1476



Ball catch 2053-2

System components



Front mounting AZ 15/16 -1762



Connector plug M 12 x 1



Connector plug M 12 x 1 (with cable)



Tamperproof screws

Ordering details

Mounting set	**MS AZ 15/16**
Lockout tag	**SZ 16/335**
Slot sealing plug	**AZ 15/16-1476**
Ball catch	**-2053-2**

Ordering details

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)	