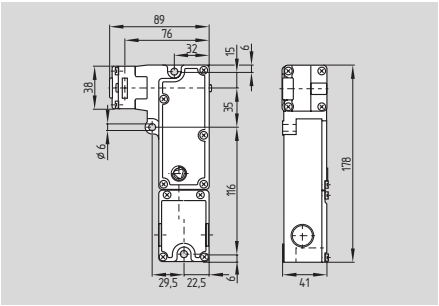
AZM 190





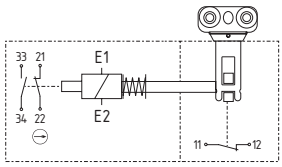
- Thermoplastic enclosure
- Manual or Emergency release
- Long life
- Power to unlock/power to lock principle
- Slim design, particularly suitable for fitting on hinged doors, aluminium profiles and fencing
- Actuating head can be repositioned by 4 x 90°
- Sealing mechanism to prevent the ingress of dirt
- 2 cable entries M20 x 1.5
- Wiring compartment
- Holding force 1750 N

Technical data

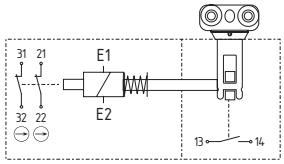
Standards:	IEC/EN 60947-5-1 BG-GS-ET-19
Enclosure:	glass-fibre reinforced thermoplastic
Actuator and locking bolt:	zinc-plated steel / zinc diecast, chromated
Protection class:	IP 67 to EN 60529
Contact material:	silver
Contact type:	change-over contact, double break, galvanically separated contact bridges
Switching system:	⊖ IEC 60947-5-1 slow action, NC contact with positive break
Termination:	screw terminals
Cable section:	max. 1.5 mm² (incl. conductor ferrules)
Cable entry:	2 x M20 x 1.5
U_{imp}:	2.5 kV
U_i:	250 V
I_{the}:	10 A
Utilisation category:	AC-15, DC-13
I_e/U_e:	8 A / 230 VAC 5 A / 24 VDC
Max. fuse rating:	10 A gL/gG D-fuse
Positive break travel:	2 x 3.5 mm
Positive break force:	20 N
Magnet:	100% ED
U_s:	24 VDC 110 VAC, 50/60 Hz 230 VAC, 50/60 Hz
Power consumption:	max. 8.5 W
Ambient temperature:	0 °C ... + 50 °C
Mechanical life:	2 million operations
F_{max}:	1750 N
Latching force:	20 N

Contact variants

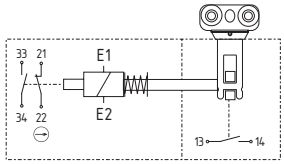
Power to unlock
1 NC
1 NO / 1 NC



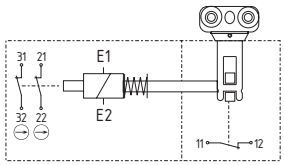
1 NO
2 NC



1 NO
1 NO / 1 NC



1 NC
2 NC



Approvals

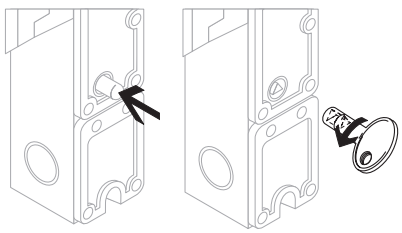
BG UL SP CE

Ordering details

AZM 190-①rk②-③

No.	Replace	Description	
①		Magnet: Actuator:	
	11/01	1NO/1NC	1NC
	11/10	1NO/1NC	1NO
	02/10	2NC	1NO
	02/01	2NC	1NC
②		Power to unlock	
	a	Power to lock	
③	24VDC	Us 24 VDC	
	24VAC	Us 24 VAC	
	48VAC	Us 48 VAC	
	110VAC	Us 110 VAC	
	230VAC	Us 230 VAC	

Note



Emergency release (left)
- For cases of danger
- Mounting only within the guarded area

Manual release (right)
- For manual release using triangular key M3 (included in delivery)
- For maintenance, setting-up, etc.

Note

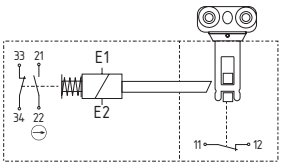
Other product variants:
- for safety fences in aluminium profil systems
- actuator with reduced mounting depth
- preferably for inside mounting
- with emergency exit and manual release
- 4 monitoring contacts
- for left-hand and right-hand hinged guard doors

List T/03 ELAN, Wettenberg

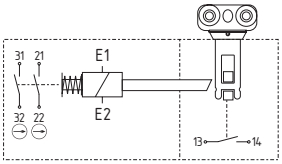
Solenoid interlocks

Contact variants

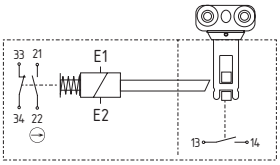
Power to lock
1 NC
1 NO / 1 NC



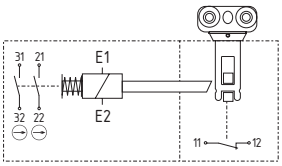
1 NO
2 NC



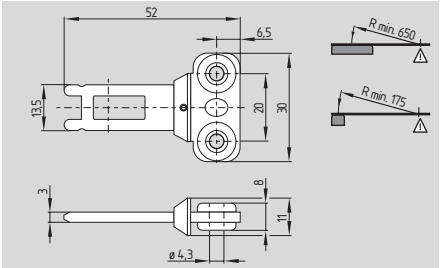
1 NO
1 NO / 1 NC



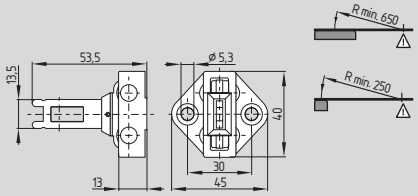
1 NC
2 NC



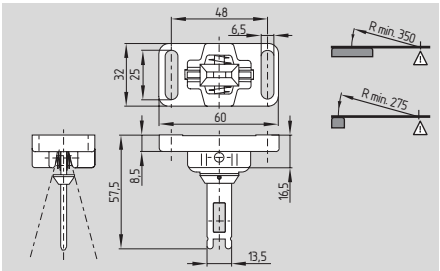
System components



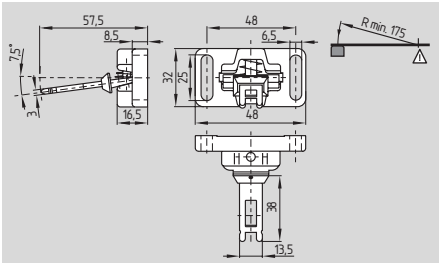
Straight actuator AZM 190-B1



Actuator to front mounting AZM 190-B5

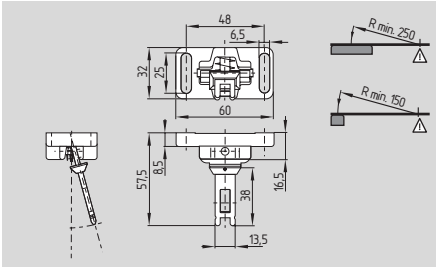


Flexible actuator AZM 190-B3/2x15

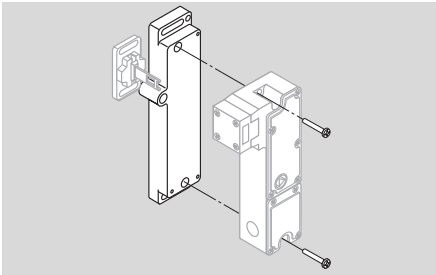


Flexible actuator AZM 190-B3/7,5

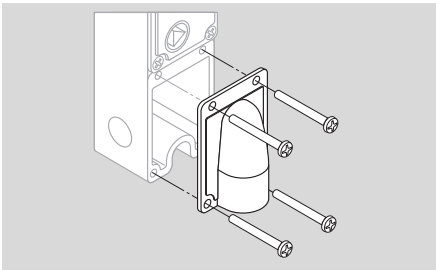
System components



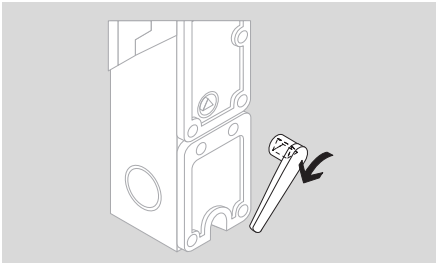
Flexible actuator AZM 190-B3/15



Mounting plate MP 190



Axial cable entry ZPG 190



Triangular key M3-a

Note

Contact symbols shown for the closed condition of the guard device.
Interlocks with power to lock principle may only be used in special cases after a thorough evaluation of the accident risk, since the guarding device can immediately be opened on failure of the electrical power supply or when the main switch is opened.

Actuators and connector plugs must be ordered separately.

Ordering details

Straight actuator	**AZM 190-B1**
to front mounting	**AZM 190-B5**
Flexible actuator	**AZM 190-B3/2x15**
Flexible actuator	**AZM 190-B3/7,5**

Ordering details

Flexible actuator	**AZM 190-B3/15**
Mounting plate	**MP 190**
Axial cable entry	**ZPG 190**
Triangular key M3-a (M3 triangular key is included in delivery)	**1144779**