


Safety switches with separate actuator

// Series ES 95 AZ

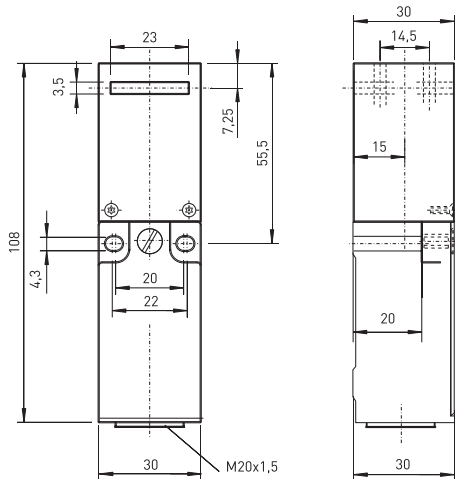
Features/Options

- Thermoplastic enclosure
- Double insulated □
- Slow action ⊖, change-over contact with double break
- Wiring compartment
- Mounting details to EN 50 047
- Transversely slotted mounting holes
- Actuator heads can be repositioned in factory in 4 x 90° steps
- With connector M12 x 1, 4-pole available
- Ex-version available
- Gold-plated contact possible on request

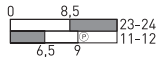
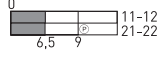
Technical data

Standards	IEC/EN 60947-5-1; EN 1088
Enclosure	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94-V0
Actuator	stainless steel 1. 4301
Protection class	IP 67 to IEC/EN 60529
Contact material	silver
Switching system	slow action, positive break NC contact ⊖
Switching elements	change-over contact with double break Zb or 2 NC contacts, galvanically separated contact bridges
Termination	M3 screw terminals
Cable section	max. 1.5 mm ² (incl. conductor ferrules)
U_{imp}	4 kV
U_i	250 V
I_{the}	6 A
I_e/U_e	6 A/400 VAC
Utilisation category	AC-15, DC-13
Max. fuse rating	6 A gL/gG D-fuse
Positive break travel	9 mm
Ambient temperature	-20 °C ... +80 °C
Mechanical life	> 1 million operations
Approvals	

// ES 95 AZ




Contact variants: switch travel/contacts

	Slow action
1 NC / 1 NO contact	ES 95 AZ 10/1S 
2 NC contacts	ES 95 AZ 20 

Ordering details

ES 95 AZ 10/1S


 Contact type 1NC/1NO, (20)
 Actuator AZ
 Series
 S Slow action

Safety switches with separate actuator

// Series ES 95 AZ, actuators

Features/Options

95 AZ-B1

- Actuating radius on hinged guards
 - a = 350 mm and b = 700 mm
- x = 11 mm

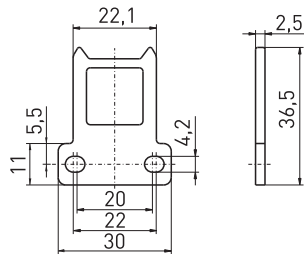
95 AZ-B5

- Especially fit for hinged guards
- Actuating radius on hinged guards
 - a = 350 mm and b = 700 mm
- x = 13.5 mm

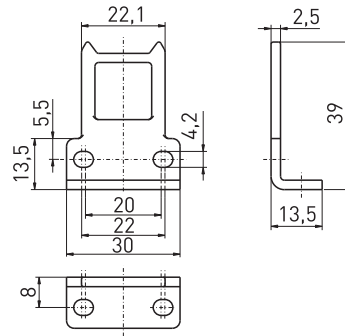
Note

Inserted position of actuator = 0 in switch travel diagram
The actuators are not included with the switches.

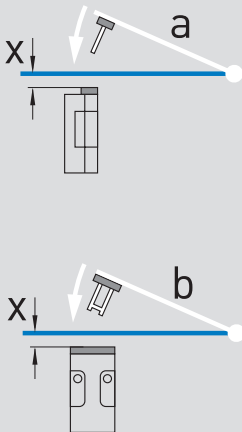
// Straight actuator 95 AZ-B1



// Angled actuator 95 AZ-B5



// Actuating radius



- The axis of the hinge should be x mm above the top edge of the safety switch and in the same plane
- a Actuating radius to the plane of the actuator
- b Actuating radius in line with the plane of the actuator
- x Axial misalignment