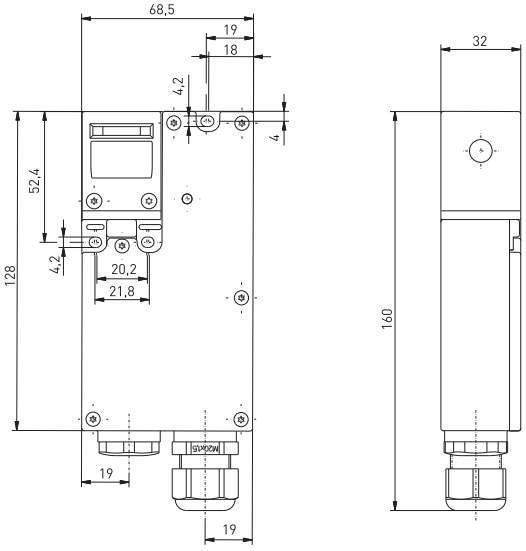
Ex solenoid interlocks
// Series Ex STM 295

Features/Options
- Ex zone 1 and 21
- Thermoplastic enclosure
- Double insulated ☐
- Two Ex switch inserts in one enclosure
- Spring-to-lock or power-to-lock principle
- Holding force 1000 N
- Wiring compartment
- Special version only for gas Ex zone 2 and dust Ex zone 22 available

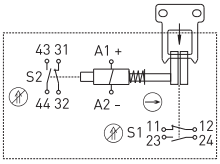
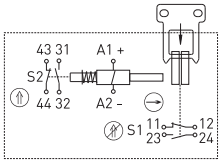
// EX STM 295



Technical data

Standards	EN 60947-5-1; EN 1088; EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-18; EN 61241-0, EN 61241-1; EN ISO 13849-1
Enclosure	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94-V0
Actuator	stainless steel 1.4301
Switch insert	Ex 95
Degree of protection	IP 64 according to EN 60529
Contact material	silver
Switching system	slow action, positive break NC contact ⊖
Switching elements	2 NC and 2 NO contacts with positive break, galvanically separated contact bridges
Connection	M3 screw clamps
Cable section	max. 1.5 mm² (incl. conductor ferrules)
Cable entries	2 x M20 x 1.5 for cable section 5 ... 9 mm
B_{10d} (10 % load)	1 million
T_M	max. 20 years
U_{imp}	4 kV
U_i	250 V
I_{the}	6 A
I_e/U_e	3 A/250 VAC; 0.25 A/230 VDC
Utilisation category	AC-15; DC-13
Max. fuse rating	6 A gL/gG D-fuse
I_e/U_e solenoid	0.08 A / 24 VDC +10%/–15%
Power consumption	max. 47 W (0.25s)
Ambient temperature Ta	–20 °C ... +55 °C
Mechanical life	> 500 000 operations
Ex marking	⟨Ex⟩ II 2G Ex demb IIC T4 Gb, II 2D Ex tD A21 IP64 T100°C IECEx Ex demb IIC T4, Ex tD A21 IP64 T100°C
Approvals	BVS 10 ATEX E 053 X IECEx BVS 10

Contact variants: switch travel/contacts

	Spring-to-lock principle	Power-to-lock principle
2 NC/2 NO contact	Ex STM 295 2Ö/2S-R	Ex STM 295 2Ö/2S-A
		

Type code Ex STM 295 2Ö/2S-R-3G/D

- Equipment Categ. 3G/D, gas Ex zone 2 and dust Ex zone 22
- R Spring-to-lock principle, (A Power-to-lock principle)
- Contact type 2 NC/2 NO contact
- Series
- Solenoid interlock
- Ex certified component

Ex solenoid interlocks
// Series Ex STM 295, actuators

Features/Options

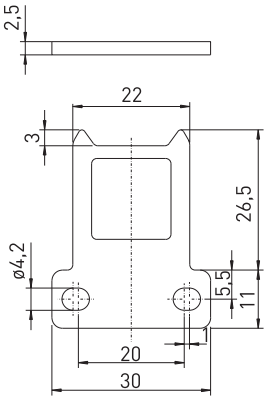
STM 295 AZ-B1
- Actuating radius on hinged guards
  a = 350 mm and b = 700 mm
- Axial misalignment x = 11 mm

STM 295 AZ-B5
- Especially suitable for hinged guards
- Actuating radius on hinged guards
  a = 350 mm and b = 700 mm
- Axial misalignment x = 13.5 mm

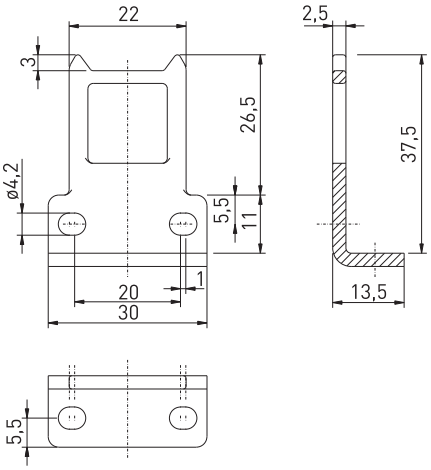
Note

The actuators are not included with the switches.

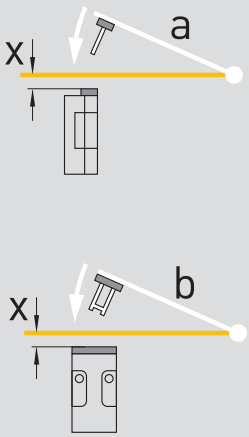
// Straight actuator STM 295 AZ-B1



// Angled actuator STM 295 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