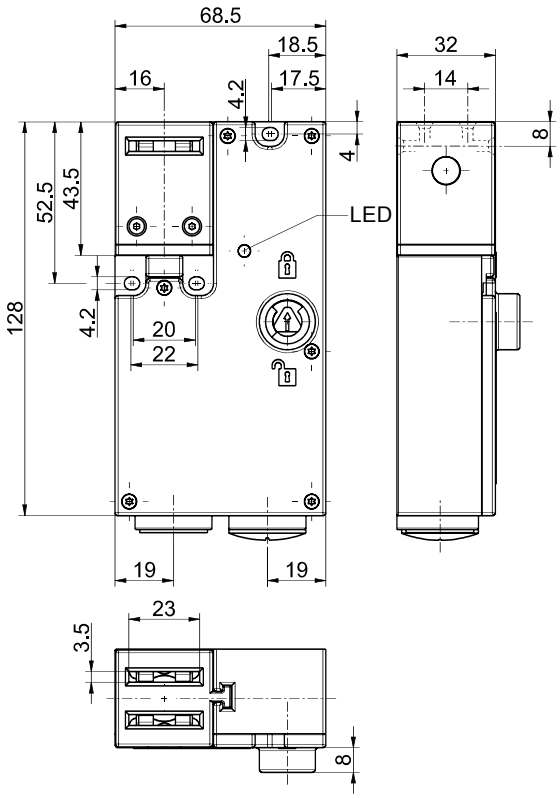
Solenoid interlock
STM 295 2Ö/1Ö1S-R-FE
Material no.: 1459973

Product features

- Thermoplastic enclosure
- Double insulated ⧈
- Spring-to-lock principle
- Locking force 1000 N
- Wiring compartment
- With LED
- FE: with auxiliary release by male triangular wrench M5

Notes
- The actuator is not included in the delivery of the switches

Dimensions



Technical data

Applied standards
EN ISO 13849-1, EN 60947-5-1, EN ISO 14119

Enclosure
thermoplastic, glass-fibre reinforced, shockproof, self-extinguishing UL 94 V-0

Switch type
type 2

Coding level
low coding

Tightening torque
cover screws: 0.5 ⋯ 0.6 Nm
switch inserts M3 screw connection terminals: min. 0.6 Nm
solenoid M3.5 screw connection terminals: min. 0.8 Nm

Degree of protection
IP67 (IEC/EN 60529)

B_{10d} (10 % load)
1 million

T_M
max. 20 years

Switching system
slow action, positive break NC contacts ⊖

Switching elements
2 NC + 1 NC/1 NO contact, type Zb

Connection
screw connection terminals

Cable cross-section
min. 0.2 mm² (AWG 24), max. 1.5 mm² (AWG 16)

Cable entry
2 x M20 x 1.5

Rated insulation voltage U_i
250 V

Rated impulse withstand voltage U_{imp}
4 kV

Conventional thermal current I_{the}
4 A

Utilisation category
AC-15; DC-13

Errors and omissions excepted.

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Technical data (contd.)

Rated operating current/voltage I_e/U_e
enabling/signalling contacts: 4 A/250 VAC; 0.25 A/230 VDC;
direct-current solenoid: 0.08 A / 24 VDC +10 %/–15 %

Short-circuit protection
6 A gG/gN fuse;
direct-current solenoid: 2 A (slow blow)

Power consumption
<2.5 W (continuous operation), max. 47 W (for 250 ms)

Operation cycles
max. 1200/h

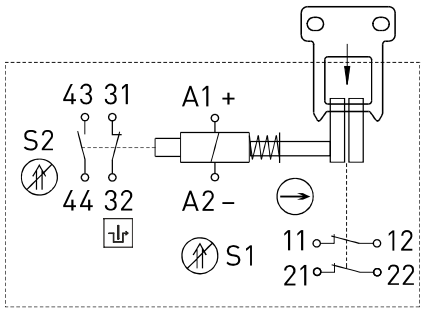
Mechanical life
> 500 000 operations

Locking force F_{max}
1000 N

Ambient temperature
–20 °C ··· +55 °C

Weight
427 g

Contact diagram



⊖ positive break
⇧ actuated
⇧ not actuated
monitoring of the guard-lock to EN ISO 14119

Errors and omissions excepted.