



Safety switch with separate actuator ST 61

Features/Options:

- Metal enclosure
- Double insulated
- 3 cable entries M20 x 1.5
- Wiring compartment
- Long life
- High level of contact reliability with low voltages and currents
- Gold-plated contacts available on request
- Ex version available

Notes

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

Technical data

Applied standards	EN ISO 13849-1; EN 60947-5-1; EN ISO 14119
Enclosure	aluminium die-cast, powder-coated
Actuator	stainless steel 1.4301
Switch type	type 2
Coding level	low coding
Degree of protection	IP 65 to IEC/EN 60529
Contact material	silver
Switching system	slow action, positive break NC contacts \ominus
Switching elements	1 NC/1 NO contact or 2 NC contacts, type Zb
Connection	screw connection terminals
Cable cross-section	max. 2.5 mm ² (incl. conductor ferrules)
Cable entry	3 x M20 x 1.5
B _{10d} (10 % load)	2 million
T _M	max. 20 years
Rated impulse withstand voltage U _{imp}	6 kV
Rated operating isolation voltage U _i	400 V
Conventional thermal current I _{the}	ST 61 1Ö/1S: 16 A; ST 61 2Ö: 6 A
Rated operating current/voltage I _e /U _e	ST 61 1Ö/1S: 16 A/400 VAC ST 61 2Ö: 6 A/400 VAC
Utilisation category	AC-15
Max. fuse rating	ST 61 1Ö/1S: 16 A gG/gN fuse ST 61 2Ö: 6 A gG/gN fuse
Operation cycles	max. 1800/h
Positive break travel	10 mm

Errors and omissions excepted.



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Technical data

Mechanical life	> 1 million operations
Ambient temperature	-20 °C ... +80 °C
Approvals	ENEC

Ordering details



Slow action
1 NC/1 NO contact

Type
ST 61 1Ö/1S

Material no.
1047846



Slow action
2 NC contacts

Type
ST 61 2Ö

Material no.
1047979

Actuators



Straight actuators

Type
Straight actuator ST 61-B1

Material no.
1471527



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Actuators



Angled actuators

Type
Angled actuator ST 61-B5

Material no.
1471643