




Miniature limit switches C 50

Features/Options:

- Thermoplastic enclosure
- Available for top mounting with 2 x M3 tapped holes

Technical data

Applied standards	EN ISO 13849-1; EN 60947-5-1
Enclosure	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94 V-0
Tightening torque	enclosure mounting screws: approx. 1 Nm cover screws: approx. 0.6 Nm
Actuator	plunger: brass
Degree of protection	IP 30 to IEC/EN 60529
Degree of pollution	3
Contact material	silver
Switching system	slow action, positive break NC contacts ⊖
Switching elements	1 NC/1 NO contact, type Zb
Connection	screw connection terminals
Cable cross-section	max. 1.5 mm ²
B _{10d} (10 % load)	70 000
T _M	max. 20 years
Rated impulse withstand voltage U _{imp}	4 kV
Rated operating isolation voltage U _i	400 V
Conventional thermal current I _{the}	4 A
Rated operating current/voltage I _e /U _e	4 A/400 VAC
Utilisation category	AC-15
Max. fuse rating	4 A gG/gN fuse
Ambient temperature	-20 °C ... +75 °C
Mechanical life	> 1 million operations
Operation cycles	max. 1800/h
Repeat accuracy of switching points	± 0.1 mm
Contact opening	max. 2 x 4 mm
Approvals	

Errors and omissions excepted.



Miniature limit switches C 50

Technical data

Weight 22 g

Ordering details



Plunger

Type
C 50 1Ö/1S

Material no.
1046955



Adjustable plunger ST

Type
C 50 ST 1Ö/1S

Material no.
1046958



Cap K

Type
C 50 K 1Ö/1S

Material no.
1046960



Roller plunger R

Type
C 50 R 1Ö/1S

Material no.
1046962




Miniature limit switches C 500

Features/Options:

- Thermoplastic enclosure
- Available for top mounting with 2 x M3 tapped holes

Technical data

Applied standards	EN ISO 13849-1; EN 60947-5-1
Enclosure	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94 V-0
Tightening torque	enclosure mounting screws: approx. 1 Nm cover screws: approx. 0.6 Nm
Actuator	plunger: brass
Degree of protection	IP 30 to IEC/EN 60529
Degree of pollution	3
Contact material	silver
Switching system	slow action, positive break NC contacts ⊖
Switching elements	1 NC/1 NO contact, type Zb
Connection	screw connection terminals
Cable cross-section	max. 1.5 mm ²
B _{10d} (10 % load)	70 000
T _M	max. 20 years
Rated impulse withstand voltage U _{imp}	4 kV
Rated operating isolation voltage U _i	400 V
Conventional thermal current I _{the}	4 A
Rated operating current/voltage I _e /U _e	4 A/400 VAC
Utilisation category	AC-15
Max. fuse rating	4 A gG/gN fuse
Ambient temperature	-20 °C ... +75 °C
Mechanical life	> 1 million operations
Operation cycles	max. 1800/h
Repeat accuracy of switching points	± 0.1 mm
Contact opening	max. 2 x 4 mm
Approvals	

Errors and omissions excepted.



Miniature limit switches C 500

Technical data

Weight 25 g

Ordering details



Plunger

Type
C 500 1Ö/1S

Material no.
1046930



Adjustable plunger ST

Type
C 500 ST 1Ö/1S

Material no.
1046931



Roller plunger R

Type
C 500 R 1Ö/1S

Material no.
1046932




Miniature limit switches ES 50

Features/Options:

- Thermoplastic enclosure
- Available for top mounting with 2 x M3 tapped holes

Technical data

Applied standards	EN ISO 13849-1; EN 60947-5-1
Enclosure	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94 V-0
Tightening torque	enclosure mounting screws: approx. 1 Nm cover screws: approx. 0.6 Nm
Actuator	plunger: brass
Degree of protection	IP 30 to IEC/EN 60529
Degree of pollution	3
Contact material	silver
Switching system	slow action, positive break NC contacts ⊖
Switching elements	1 NC/1 NO contact, type Zb
Connection	screw connection terminals
Cable cross-section	max. 1.5 mm ²
B _{10d} (10 % load)	70 000
T _M	max. 20 years
Rated impulse withstand voltage U _{imp}	4 kV
Rated operating isolation voltage U _i	400 V
Conventional thermal current I _{the}	4 A
Rated operating current/voltage I _e /U _e	4 A/400 VAC
Utilisation category	AC-15
Max. fuse rating	4 A gG/gN fuse
Ambient temperature	-20 °C ... +75 °C
Mechanical life	> 1 million operations
Operation cycles	max. 1800/h
Repeat accuracy of switching points	± 0.1 mm
Contact opening	max. 2 x 4 mm
Approvals	

Errors and omissions excepted.



Miniature limit switches ES 50

Technical data

Weight 22 g

Ordering details



Plunger

Type
ES 50 1Ö/1S

Material no.
1046984



Adjustable plunger ST

Type
ES 50 ST 1Ö/1S

Material no.
1046989



Cap K

Type
ES 50 K 1Ö/1S

Material no.
1046991



Roller plunger R

Type
ES 50 R 1Ö/1S

Material no.
1046992