

MTOSFE

24.07.2024

**Self-monitoring emergency contact block,
requires only one place in the module holder**



General Data

Type reference:	MTOSFE
Description:	Modular contact block (positive opening contact) with safety contact for failure switch off. Contact opening if separated from the e-stop head
Approvals:	CCC, CE, cULus, DNVGL, TÜV_Süd, UKCA
Contact type:	1 NC (+ 1 NO)
Degree of protection:	IP20
Operation travel:	6 mm
Connection type:	screw connection 2x 2.5 mm ²
Contact material:	AgNi
Max. storage temperature:	-50°C ... 85°C
Max. operating temperature:	-30°C ... 85°C, without illumination -30°C ... 55°C, using incandescent lamps -30°C ... 65°C, using LEDs
Mechanical life:	100,000 switching cycles
Electrical life (rated load):	100,000 switching cycles at rated load
Contact resistance NO:	< 100 mOhm (new state)
Min. current:	1 mA (under laboratory conditions)
Min. voltage:	5 V
Bouncing time NC:	< 10ms
Positive opening contact:	acc. to EN60947-5-1, appendix K

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category	AC15	DC13
Rated insulation voltage Ui	250 V	250 V
Rated operating voltage Ue	240 V	250 V / 125 V / 60 V / 24 V
Rated operating current Ie	3 A	0.2 A / 0.4 A / 1 A / 2 A
Breaking capacity	10Ie	1,1Ie
Continuous thermal current	16 A	

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage Ue:	250 V~
Rated current Ie:	16(10) A

General data

Tightening torque (screw terminal):	0.8...1.0 Nm
Stripping length:	9 mm
Pollution degree :	3
Overvoltage category:	III

Note

- 1 module with NO contact which is closed when snap-fitting the emergency-stop head
- Mechanical/electrical life using a foolproof emergency-stop actuator: 20,000

Conditional short circuit Iq:	1000 A
Rated impulse withstand voltage Uimp:	2.5 kV
Short circuit means (recommendation):	SCPD 16 A, Char. C

Data acc. to UL 60947-5-1 / CSA-C22.2 No. 60947-5-1

Rating: A300

Operating travel diagram



Circuit diagram

