

**MTO**

14.06.2023

**Modular contact block, momentary**

**General Data**

Type reference	MTO
Description	Modular contact block (positive opening contact)
Approvals	, CCC, CSA, cULus, DNVGL, ENEC05, KEMA, CE, TÜV_Süd, UKCA
Contact type	1 NC
Degree of protection	IP20
Operation travel	6 mm
Connection type	screw connection 2x 2.5 mm <sup>2</sup>
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	1 million switching cycles
Electrical life (rated load)	1 million switching cycles at rated load
Contact resistance NC	< 20 mOhm
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 A600	DC13 Q600
Rated insulation voltage U <sub>i</sub>	600 V	600 V
Rated operating voltage U <sub>e</sub>	240 V / 440 V	440 V / 250 V / 125 V / 60 V / 24 V
Rated operating current I <sub>e</sub>	3 A / 1.6 A	0.12 A / 0.2 A / 0.4 A / 1 A / 2 A
Breaking capacity	10I <sub>e</sub>	1,1I <sub>e</sub>
Continuous thermal current	16 A	-



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

Rated voltage U <sub>e</sub>	250 V~ / 440 V~
Rated current I <sub>e</sub>	16(10) A / 10(6) A

### Data acc. to UL508

Flammability class acc. to UL94	V0
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### General data

Tightening torque (screw terminal)	0.8...1.0 Nm
Stripping length	9 mm
Shock resistance, IEC 60068-2-27	50g at 11 ms amplitude, semi-sinusoidal
Pollution degree	3
Overvoltage category	III

### Note

Conditional short circuit I<sub>q</sub>: 1,000 A  
 Rated impulse withstand voltage U<sub>imp</sub>: 4.0 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	Heavy pilot duty, rated 600 V ac, code A600
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