

MTI

16.11.2023

**Modular contact block, momentary**



**General Data**

Type reference	MTI
Description	Modular contact block
Approvals	CCC, CSA, cULus, DNVGL, ENEC05, KEMA, CE, UKCA
Contact type	1 NO
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 NO	< 20 mOhm
Min. current	1 mA (under laboratory conditions)
Min. voltage	5 V
Bouncing time NO	< 10ms

**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 Ui	600 V	600 V
Rated operating voltage Ue	240 V / 440 V	440 V / 250 V / 125 V / 60 V / 24 V
Rated operating current Ie	3 A / 1.6 A	0.12 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~ / 440 V~
Rated current Ie	16(10) A / 10(6) A

### General data

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

### Note

Conditional short circuit Iq: 1,000 A  
 Rated impulse withstand voltage Uimp: 4.0 KV  
 Short circuit means (recommendation): SCPD 16 A, Char. C

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

	alternate current	direct current
Utilisation category	-	DC13
Rated insulation voltage Ui	-	-
Rated operating voltage Ue	-	12 V
Rated operating current Ie	-	5 A
Breaking capacity	-	1,1Ie
Continuous thermal current	-	-

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

	alternate current	direct current
Utilisation category	-	-
Rated insulation voltage Ui	-	-
Rated operating voltage Ue	24 V	-
Rated operating current Ie	10 A	-
Breaking capacity	1,0Ie	-
Continuous thermal current	-	-



**Electrical features**

Operating speed 80 mm/s

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

Rating Heavy pilot duty, rated 600 V ac, code A600

