

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 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:	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 U _i	600 V	600 V
Rated operating voltage U _e	240 V / 440 V	440 V / 250 V / 125 V / 60 V / 24 V
Rated operating current I _e	3 A / 1.6 A	0.12 A / 0.2 A / 0.4 A / 1 A / 2 A
Breaking capacity	10I _e	1,1I _e
Continuous thermal current	16 A	

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

Rated voltage U _e :	250 V~ / 440 V~
Rated current I _e :	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

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

Utilisation category: DC13
Rated operating voltage U_e: 12 V
Rated operating current I_e: 5 A
Breaking capacity: 1,1I_e

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

Rated operating voltage U_e: 24 V
Rated operating current I_e: 10 A
Breaking capacity: 1,0I_e

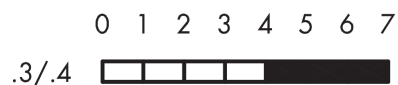
Electrical features

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

Operating travel diagram



Circuit diagram

