

MT97

23.03.2016

Modular contact block, momentary

General Data

Type reference	MT97
Description	Modular contact block, 2 NO, 1x early make, with action point after the first NO contact
Approvals	CCC, ENEC05, KEMA, CE, UKCA
Contact type	1 NO + 1 NO early make
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
Contact resistance NC	< 20 mOhm
Min. current	1 mA (under laboratory conditions)
Min. voltage	5 V
Bouncing time NO	< 10ms
Bouncing time NC	< 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 Ue	250 V~ / 440 V~
Rated current Ie	16(10) A / 10(6) A

Electrical features - 5µm gold-plating, type addition _AU

Switching voltage	20 mV ... 42 V AC/DC
Switching current	1mA ... 250mA
Contact resistance (new state)	< 50 mOhm
Approvals	VDE, ENEC10

General data

Tightening torque (screw terminal)	0.8...1.0 Nm
Stripping length	9 mm

