

DTI

29.05.2013

Modular contact block, momentary



General Data

Type reference	DTI
Description	Modular contact block, with cage-clamp technology
Approvals	CCC, cCSAus, DNVGL, ENEC10, VDE, CE, KEMA KEUR, TÜV_Süd, UKCA
Contact type	1 NO
Protection class	II (protective insulation)
Operation travel	6 mm
Connection type	Cage-Clamp 0.08-2.5 mm ²
Contact material	AgNi
Max. storage temperature	-40°C ... 70°C
Max. operating temperature	-25°C ... 55°C, with/without illumination
Mechanical life	1 million switching cycles
Electrical life (rated load)	50,000 switching cycles
Contact resistance NO	< 20 mOhm (new state)
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 Q300
Rated insulation voltage U _i	600 V	400 V
Rated operating voltage U _e	240 V / 120 V / 60 V / 24 V	250 V / 125 V / 60 V / 24 V
Rated operating current I _e	3 A / 1.9 A	0.27 A / 0.55 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~ / 400 V~
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Rated current I_e 16(10) A / 10(5) A

Environmental / climatic tests

Vibration resistance 50m/s² at 5-150Hz according to DIN IEC 68 2-6

Shock resistance 30m/s² at 50ms acc. to DIN IEC 68 2-27

Constant climatic resistance IEC 600-68-2-3 and 2-30

Note

Contact block of type series D

Additional test at ambient temperature = -40°C
Mechanical life: 50,000 switching cycles (actuator: KRJMT)

Additional electrical data

Overvoltage category II

Pollution degree 3

Glow wire testing 750°C / 850°C

