

MT97

09.11.2023

Modular contact block, momentary



General Data

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|------------------------------|----------------------------------------------------------------------------------------------------------------|
| 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 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 |

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

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

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

