

**MTON**

10.01.2024

**Modular contact block, momentary**



**General Data**

|                              |  |
|------------------------------|--|
| Type reference               | MTON   |
| Description                  | Modular contact block (positive opening contact)   |
| Approvals                    | , CCC, CSA, cULus, DNVGL, ENEC05, KEMA, CE, UKCA   |
| Contact type                 | 1 NC late break  |
| 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<br>-30°C ... 55°C, using incandescent lamps<br>-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 NC        | < 20 mOhm  |
| Min. current                 | 1 mA (under laboratory conditions)   |
| Min. voltage                 | 5 V  |
| Bouncing time NC             | < 10ms   |
| Positive opening contact     | acc. to EN60947-5-1, appendix K  |

**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: 1000 A  
 Rated impulse withstand voltage Uimp: 4.0 KV  
 Short circuit means (recommendation): SCPD 16 A, Char. C

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

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

