

FRTII_C009

17.01.2023

Contact block with 4-pole M12 connector, momentary



General Data

| | |
|------------------------------|---|
| Type reference | FRTII_C009 |
| Description | Contact block with M12 connector, detent collar |
| Approvals | CE, UKCA |
| Contact type | 2 NO |
| Degree of protection | IP00 |
| Connection type | 4-pole M12 connector (integrated), A coded |
| Contact material | AgNi |
| Max. storage temperature | -40°C ... 80°C |
| Max. operating temperature | -25°C ... 70°C |
| Mechanical life | 600,000 switching cycles |
| Electrical life (rated load) | 600,000 switching cycles at rated load |
| Contact resistance NO | < 50 mOhm (new state) |
| Min. current | 6 mA |
| 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 | DC13 |
| Rated insulation voltage U_i | 50 V | 50 V |
| Rated operating voltage U_e | 35 V | 35 V |
| Rated operating current I_e | 1 A | 1 A |
| Breaking capacity | - | - |
| Continuous thermal current | 1 A | 1 A |

Additional data

| | |
|-----------------------------------|--------------|
| Mounting position | any |
| Standards | EN 60947-5-1 |
| Tightening torque (M12-connector) | max. 0.4 Nm |



| | |
|----------------------|---|
| B10d [cycles] | depending on the pushbutton/switch head |
| Material group | I |
| Overtoltage category | II |
| Pollution degree | 2 |

Note

I = NO contact

Pin assignment:
 Pin 1 Pin 2 Pin 3 Pin 4 Type
 COM NO1 n.c. NO2 2 NO

Safety instructions / mounting instructions

- the connector must not be connected or disconnected under load
- the single connector pin may be loaded with max. 1 A
- not suitable for use under water
- there may not be any mechanical load on the M12 connector, ensure that there is sufficient strain relief!
- observe the operating instructions

