

BFK

03.05.2021

Contact block, maintained

General Data

| | |
|------------------------------|---|
| Type reference | BFK |
| Description | Contact block with screw connections |
| Approvals | CCC, cCSAus, DNV, ENEC10, VDE, CE, UKCA |
| Contact type | 1 NC + 1 NO |
| Degree of protection | IP20 |
| Operation travel | 3 mm |
| Connection type | screw connection 2.5 mm ² |
| Contact material | AgNi |
| Max. storage temperature | -50°C ... 85°C |
| Max. operating temperature | -30°C ... 70°C |
| Mechanical life | 1 million switching cycles |
| Electrical life (rated load) | 1 million switching cycles |
| Contact resistance NO | < 20 mOhm (new state) |
| Contact resistance NC | < 20 mOhm (new state) |
| 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 B300 | DC13 Q300 |
| Rated insulation voltage U _i | 250 V | 300 V |
| Rated operating voltage U _e | 240 V | 250 V / 125 V / 60 V / 24 V |
| Rated operating current I _e | 1.5 A | 0.2 A / 0.4 A / 1 A / 2 A |
| Breaking capacity | 10I _e | 1,1I _e |
| Continuous thermal current | 6 A | - |

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)


| | |
|------------------|--------|
| Rated voltage Ue | 250 V~ |
| Rated current Ie | 6(4) A |

Additional data

| | |
|------------------------------------|------------------------------|
| Connection range | 0.34 ... 2.5 mm ² |
| Tightening torque (screw terminal) | 0.4 Nm |

Additional electrical data

| | |
|----------------------|----|
| Overvoltage category | II |
|----------------------|----|

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

| | alternate current | direct current |
|-----------------------------|-------------------|----------------|
| Utilisation category | DC13 | - |
| Rated insulation voltage Ui | - | - |
| Rated operating voltage Ue | 12 V | - |
| Rated operating current Ie | 6 A | - |
| Breaking capacity | 1,1Ie | - |
| Continuous thermal current | - | - |

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

| | |
|------------------|---------|
| Rated voltage Ue | 12 V DC |
| Rated current Ie | 6(6) A |



