

**BZ\_494**

04.05.2021

**Contact block, momentary**

**General Data**

|                            |                                      |
|----------------------------|--------------------------------------|
| Type reference             | BZ_494                               |
| Description                | Contact block with separate plungers |
| Approvals                  | CE, UKCA                             |
| Contact type               | 1 NC + 2 NO                          |
| Degree of protection       | IP00                                 |
| Operation travel           | 3 mm                                 |
| Connection type            | Faston terminals 2.8 x 0.8 mm        |
| Contact material           | AgNi                                 |
| Max. storage temperature   | -50°C ... 85°C                       |
| Max. operating temperature | -30°C ... 70°C                       |
| Mechanical life            | 1 million switching cycles           |
| Contact resistance NO      | < 20 mOhm                            |
| Contact resistance NC      | < 50 mOhm (new state)                |
| Min. current               | 1 mA (under laboratory conditions)   |
| Min. voltage               | 5 V                                  |
| Bouncing time NC           | < 10ms                               |

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

|                                | alternate current | direct current                               |
|--------------------------------|-------------------|--|
| Utilisation category           | -                 | -  |
| Rated insulation voltage $U_i$ | -                 | -  |
| Rated operating voltage $U_e$  | 60V               | 60 V (ind.) / 60 V (R) / 50 V (R) / 40 V (R) |
| Rated operating current $I_e$  | 3 A (inductive)   | 1 A / 3 A / 4 A / 5 A                        |
| Breaking capacity              | -                 | -  |
| Continuous thermal current     | 6 A               | -  |

**Note**

- external bridge 11-21
- using 3-position actuators (with separate plungers) 1 contact is closed in each position (=3 NO): 13-14, 23-24, 12-22



Electrical life data:  
AC15 60V/3A 1000.000  
DC13 24V/5A 35.000  
DC13 60V/1A 100.000  
DC 40V/5A 100.000 (ohmic load)  
DC 50V/4A 100.000 (ohmic load)  
DC 60V/3A 100.000 (ohmic load)

Using a flyback diode, the DC lifetime can be considerably increased at inductive load.

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

|                                | alternate current | direct current |
|--------------------------------|-------------------|----------------|
| Utilisation category           | DC13              | -              |
| Rated insulation voltage $U_i$ | -                 | -              |
| Rated operating voltage $U_e$  | 12 V              | -              |
| Rated operating current $I_e$  | 6 A               | -              |
| Breaking capacity              | 1,1 $I_e$         | -              |
| Continuous thermal current     | -                 | -              |

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

|                     |         |
|---------------------|---------|
| Rated voltage $U_e$ | 12 V DC |
| Rated current $I_e$ | 6(6) A  |

