

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 Ui	-	-
Rated operating voltage Ue	60V~	60 V (ind.) / 60 V (R) / 50 V (R) / 40 V (R)
Rated operating current Ie	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	1,1Ie	-
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

