

Date: 13.11.2014

Contact Block: BZ_494

General Data

Type Reference:	BZ_494
Description:	Contact block with separate plungers
Approvals:	CE
Nature of contact:	2NC + 2NO
Protection class:	II (protective insulation)
Operation travel:	3 mm
Connection type:	Faston terminals 2 x 2.8mm x 0.8 mm
Contact material:	AgNi
Max. storage temperature:	-50°C ... 85°C
Max. operating temperature:	-30°C ... 70°C
Mechanical life:	1m operations
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 NO:	< 10 ms
Bouncing time NC:	< 10 ms

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

	alternate current	direct current
Rated operating voltage U _e :	60V~	60V(ind.) / 60V (R) / 50V(R) / 40V(R)
Rated operating current I _e :	3A (inductive)	1A / 3A / 4A / 5A
Continuous thermal current:	6A	

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) (additional test)

	DC13
Utilisation category:	
Rated operating voltage U _e :	6A
Rated operating current I _e :	1.1I _e
Breaking capacity:	

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

Rated voltage U _e :	6[6]A
Rated current I _e :	

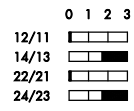
Electrical life (additional test):	50000
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- subject to alterations -

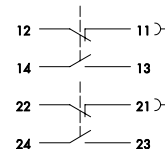
Photo



Operating travel diagram



Circuit diagram



- subject to alterations -