

**BZOS**

16.12.2014

**Contact Block for Emergency Stops  
with failure switch-off \***



**General Data**

Type reference	BZOS
Description	Twin contact block with self-monitoring contact, separate plungers, positive opening contact
Approvals	, CCC, cCSAus, cURus, DNVGL, ENEC10, VDE, CE, TÜV_Süd, UKCA, UR
Contact type	1 NC + 1 NO early make
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
Electrical life (rated load)	1 million switching cycles at rated load
Contact resistance NC	< 20 mOhm (new state)
Min. current	1 mA
Min. voltage	5 V
Bouncing time NC	< 10ms
Positive opening contact	acc. to EN60947-5-1, appendix K

**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 Ui	250 V	300 V
Rated operating voltage Ue	250 V	250 V / 125 V / 60 V / 24 V
Rated operating current Ie	1.5 A	0.2 A / 0.4 A / 1 A / 2 A
Breaking capacity	10Ie	1,1Ie
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

**Note**

The NC contact for emergency stop is connected in series with an additional NO contact which is always closed during operation and opens only on separation of the actuator from the contact block.

**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

**Data acc. to UL/IEC 60947-5-5**

Rating	B300, Q300 pilot duty
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