BFL5_439 03.05.2021

Illuminated contact block, maintained, T5,5K

General Data

Type reference	BFL5_439
Description	Illuminated contact block
Approvals	CCC, CE, UKCA
Contact type	2 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, without illumination -30°C ... 55°C, using incandescent lamps -30°C ... 65°C, using LEDs
Mechanical life	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	-	-
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	-

Technical Data - Lamp

Lamp socket	T5,5K
Max. lamp voltage	60 V
Max. lamp output	1.2 W
Definition	X1...anode, X2...cathode

Additional electrical data

Overvoltage category	II

Note

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)

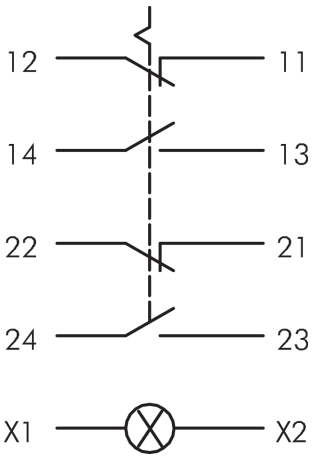
Using a flyback diode, the DC lifetime can be considerably increased at inductive load.
The contacts of the "BZ...439" are, as defined in EN 60947-5-1 app. K, not designed as positive opening contacts. Hence, they are not suitable for emergency-stop applications.

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



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