Datasheet

→ BFL5K_AU

04/20/2026

Technical data

Illuminated contact block, maintained, T5,5K



Type	BFL5K_AU
Series	contact blocks BF...K
Rubric	Contact blocks
Approvals	CCC, cCSAus, DNVGL, ENEC10, VDE, CE, UKCA

→ General data

Illumination	Yes
Operating temperature	-30 °C ... 70 °C without illumination -30 °C ... 55 °C for incandescent lighting -30 °C ... 65 °C for LED illumination
Contact material	AgNi gold-plated
Storage temperature	-50 °C ... 85 °C
Degree of protection front	IP20

→ Electrical data

Conditional short circuit current	1000 A
Rated insulation voltage IEC/EN 60947-5-1	250 V AC
Rated impulse withstand voltage	2.5 kV
Contact resistance	< 50 mΩ NO new state < 50 mΩ NC new state
Electrical lifetime	1,000,000 switching cycles at rated voltage
Contact type	1NC 1NO

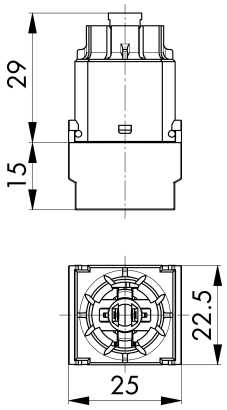
Short circuit protection SCPD	Glass fuse 1 A slow (usual: 5x20; 6.3x32)
Illuminant power	max. 1.2 W
Conductor cross section	0.34 mm² - 2.5 mm²
Illuminant	T5.5K lampholder
Illuminant connection	X1...anode, X2...cathode
Operating voltage illuminant	max. 60 V
Bouncing time	< 10 ms NC < 10 ms NO
Switching capacity	42 V 250 mA
Switching voltage	20 mV ... 42 V AC/DC
Switching current	1 mA ... 250 mA
Overvoltage category	II

➔ Mechanical data

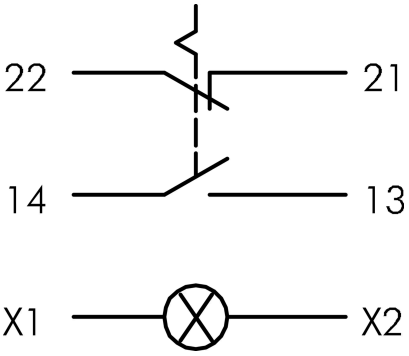
Connection	Screw connection
Operating travel	3 mm
Tightening torque connection	0.4 Nm
Mechanical lifetime	1,000,000 switching cycles
Switching function	Latching function

Technical drawings

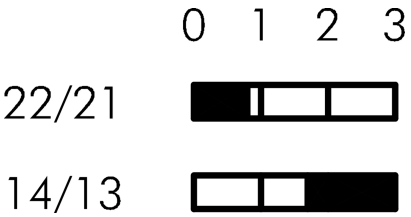
➔ Dimensional drawing



➔ Circuit diagram



➔ Switching path diagram



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