



FRTOO_C001 10.02.2023

Contact block with 4-pole M12 connector, momentary



General Data	
Type reference	FRTOO_C001
Description	Contact block with M12 connector, detent collar
Approvals	CE, UKCA
Contact type	2 NC
Degree of protection	IPOO
Connection type	4-pole M12 connector (integrated), A coded
Contact material	AgNi
Max. storage temperature	-40°C 80°C
Max. operating temperature	-25°C 70°C
Mechanical life	600,000 switching cycles
Electrical life (rated load)	600,000 switching cycles at rated load
Contact resistance NC	< 50 mOhm (new state)
Min. current	6 mA
Min. voltage	5 V
Bouncing time NC	< 10ms
Positive opening contact	acc. to EN60947-5-1,appendix K

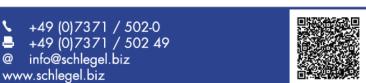
Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category	AC15	DC13
Rated insulation voltage Ui	50 V	50 V
Rated operating voltage Ue	35 V	35 V
Rated operating current le	4 A	2 A
Breaking capacity	-	-
Continuous thermal current	4 A	4 A

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Mounting position any

Standards EN 60947-5-1







Tightening torque (M12-connector)	max. 0.4 Nm
B10d [cycles]	depending on the pushbutton/switch head
Material group	1
Overvoltage category	II
Pollution degree	2

Note

O = NC contact

Pin assignment: Pin 1 Pin 2 Pin 3 Pin 4 Type NC1 NC1 NC2 NC2 2 NC

Safety instructions / mounting instructions

- the connector must not be connected or disconnected under load
- the single connector pin may be loaded with max. 4 \mbox{A}
- not suitable for use under water
- there may not be any mechanical load on the M12 connector, ensure that there is sufficient stain relief!
- observe the operating instructions



