



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

Additional data	
Mounting position	any
Standards	EN 60947-5-1

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Tightening torque (M12-connector)	max. 0.4 Nm
B10d [cycles]	depending on the pushbutton/switch head
Material group	I
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

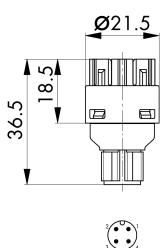
- the single connector pin may be loaded with max. 4 A

- not suitable for use under water

- there may not be any mechanical load on the M12 connector, ensure that there is sufficient strain relief!

- observe the operating instructions







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