

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:	IP00
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 U_i	50 V	50 V
Rated operating voltage U_e	35 V	35 V
Rated operating current I_e	4 A	2 A
Continuous thermal current	4 A	4 A

Additional data

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:	I
Overvoltage category:	II
Pollution degree :	2

Note

○ = NC contact

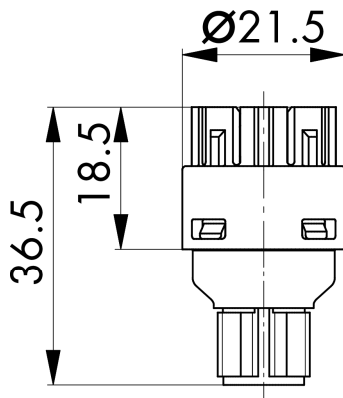
Pin assignment:

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

Dimensional drawing



Operating travel diagram



Circuit diagram

