



## FRTLI\_C005

16.01.2023

## Illuminated contact block with 4-pole M12 connector, momentary



General Data	
Type reference	FRTU_C005
Description	Contact block with M12 connector, detent collar
Approvals	CE, UKCA
Contact type	1 NO
Degree of protection	IPOO
Connection type	4-pole M12 connector (integrated), A coded
Contact material	AgNi
Max. storage temperature	-40°C 80°C
Max. storage temperature Max. operating temperature	-40°C 80°C -25°C 70°C
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Max. operating temperature	-25°C 70°C
Max. operating temperature Mechanical life	-25°C 70°C 600,000 switching cycles
Max. operating temperature Mechanical life Electrical life (rated load)	-25°C 70°C 600,000 switching cycles 600,000 switching cycles at rated load
Max. operating temperature Mechanical life Electrical life (rated load) Contact resistance NO	-25°C 70°C 600,000 switching cycles 600,000 switching cycles at rated load < 50 mOhm (new state)

## 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

Technical Data - Lamp	
Lamp socket	none, with integrated 3 mm LED white
Max. lamp voltage	30 V AC/DC
Max. lamp output	14 mA (at 24 V DC)

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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	I
Overvoltage category	П
Pollution degree	2

## Note

\*1) values and data that may need to be determined specifically: Electrical/mechanical lifetime: Pushbutton, illuminated pushbutton: 1 million switching cycles Selector/key switches: 30.000 switching cycles Emergency-stop: 50.000 switching cycles

Minimum current: 10 mA Minimum voltage: 10 V

I = NO contact

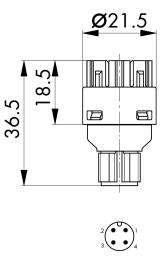
Pin assignment: Pin 1 Pin 2 Pin 3 Pin 4 Type NO NO LED - LED + 1 NO + LED

Safety instructions / mounting instructions

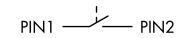
- the connector must not be connected or disconnected under load

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





0 1 2 3 PIN1/PIN2



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