

FRTPI

15.07.2021

Contact block, momentary

General Data

Type reference	FRTPI
Description	Contact block with PCB-mount terminals, separate plungers, bolt fastening
Approvals	CCC, cURus, ENEC10, VDE, UKCA
Contact type	1 NO
Degree of protection	IP00
Operation travel	2.3 mm
Connection type	PCB-mount terminals
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
Contact resistance NO	< 20 mOhm (new state)
Min. current	1 mA (under laboratory conditions)
Min. voltage	5 V
Bouncing time NO	< 10ms

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

	alternate current	direct current
Utilisation category	AC15 B300	DC13 Q300
Rated insulation voltage U_i	250 V	250 V
Rated operating voltage U_e	240 V / 120 V	250 V / 125 V / 60 V / 24 V
Rated operating current I_e	1.5 A / 3 A	0.27 A / 0.55 A / 1 A / 2 A
Breaking capacity	10I _e	1,1I _e
Continuous thermal current	5 A	-

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage U_e	250 V~
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Rated current I_e 6(4) A

Note

I = NO contact

Optional illumination with Schlegel LED type FRTLED3UW
With illumination (LED): overvoltage category II (2.5kV), pollution degree 2

DC13: 100.000 switching cycles (at maximum switching capacity)

The contact blocks must not be used individually.
At least 2 contact blocks have to be mounted onto the PCB and they have to be arranged by 180° offset.

Data acc. to UL 60947-5-1 / CSA-C22.2 No. 60947-5-1

Rating Pilot duty B300; 24 V dc/3 A

