

FRTPOOI_AU

15.07.2021

Contact block, momentary



General Data

Type reference	FRTPOOI_AU
Description	Contact block with PCB-mount terminals, separate plungers, bolt fastening
Approvals	CCC, CE, cURus, ENEC10, VDE, TÜV_Süd, UKCA
Contact type	2 NC + 1 NO
Degree of protection	IP00
Operation travel	2.3 mm
Connection type	PCB-mount terminals
Contact material	AgNi, gold-plated
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	< 50 mOhm (new state)
Contact resistance NC	< 50 mOhm (new state)
Min. current	1 mA (under laboratory conditions)
Min. voltage	5 V
Bouncing time NO	< 10ms
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	250 V	250 V
Rated operating voltage Ue	-	-
Rated operating current Ie	-	-
Breaking capacity	-	-
Continuous thermal current	-	-

Electrical features - 5µm gold-plating, type addition _AU



Switching voltage	20 mV ... 42 V AC/DC
Switching current	1 mA ... 250 mA

Additional data

Overvoltage category	II
Pollution degree	2

Note

O = NC contact; 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)
Life time with emergency-stop head: 30.000 (RKUV28, RRJUV)
6050 (RXJUV)

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	42 V dc/100 mA
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