

Datasheet

→ **FRTPOOI** [↗](#)

09/10/2025



Technical data

Push-button contact blocks with print connections

Type	FRTPOOI
Series	Contact blocks FRTP...
Rubric	Contact blocks
Approvals	CCC, CE, cURus, ENEC10, VDE, TÜV_Süd, UKCA



→ General data

Design	Round
Illumination	No
Operating temperature	-25 °C ... 70 °C
Enclosure colour	Grey
Contact material	AgNi
Storage temperature	-40 °C ... 80 °C
Degree of protection front	IP00

→ Electrical data

Conditional short circuit current	1000 A
Rated operating voltage IEC/EN 60947-5-1	240 V AC 120 V AC 250 V DC 125 V DC 60 V DC 24 V DC

Rated operating current IEC/EN 60947-5-1	1.5 A AC 3 A AC 0.27 A DC 0.55 A DC 1 A DC 2 A DC
Rated insulation voltage IEC/EN 60947-5-1	250 V AC 250 V DC
Rated voltage IEC/EN 61058-1	250 V AC/DC
Rated impulse withstand voltage	2,5 kV
Rated current IEC/EN 61058-1	6(4) A
Contact resistance	< 20 mΩ NO new state < 20 mΩ NC new state
Electrical lifetime	600,000 switching cycles at rated voltage
Utilisation category IEC/EN 60947-5-1	AC15 B300 DC13 Q300
Contact type	2NC 1NO
Short circuit protection SCPD	6 A Char. D
Bouncing time	< 10 ms NC < 10 ms NO
Rating information acc. to UL	Pilot duty B300 24 V DC Pilot duty B300 3 A DC
Switching capacity	240 V AC/DC 1.5 A 120 V AC/DC 3 A
Breaking capacity IEC/EN 60947-5-1	10 Ie AC 1.1 Ie DC
Minimum voltage	5 V
Current minimal	1 mA under laboratory conditions
Thermal continuous current	5 A AC

Overvoltage category	II
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Pollution degree	2
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Note

- 100,000 switching cycles (at max. switching capacity)

→ Mechanical data

Connection	PCB-mount terminals
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Operating travel	2.3 mm
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Mechanical lifetime	600,000 switching cycles
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Switching function	Momentary function
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Tactile	No
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Positive opening	Acc. to EN60947-5-1, appendix K
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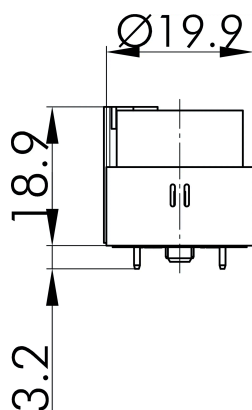
Note Service life with emergency stop

- 30,000 (RKUV28, RRJUV)
- 6050 (RXJUV)

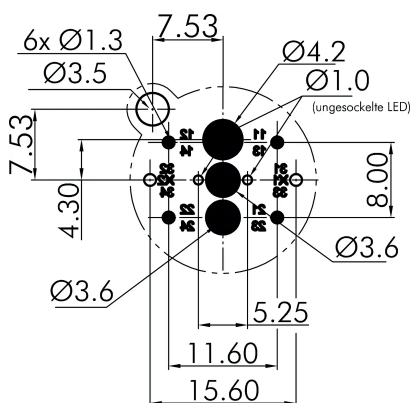
The contact elements must not be used individually. There must always be at least 2 contact elements on the PCB, each of which must be arranged offset by 180°.

Technical drawings

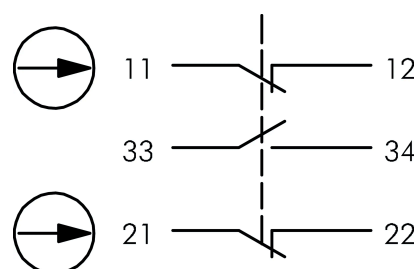
→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram



→ Switching path diagram

0 1 2

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