

Datasheet

→ FRTPOOL_AU

09/10/2025



Technical data

Push-button contact blocks with print connections

Type	FRTPOOL_AU
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 gold-plated
Storage temperature	-40 °C ... 80 °C
Degree of protection front	IP00

→ Electrical data

Conditional short circuit current	1000 A
Rated insulation voltage IEC/EN 60947-5-1	250 V AC 250 V DC
Rated impulse withstand voltage	2,5 kV

Contact resistance	< 50 mΩ NO new state < 50 mΩ NC new state
Electrical lifetime	600,000 switching cycles at rated voltage
Utilisation category IEC/EN 60947-5-1	AC15 DC13
Contact type	2NC 1NO
Short circuit protection SCPD	Glass fuse 1 A slow (usual: 5x20; 6.3x32)
Bouncing time	< 10 ms NC < 10 ms NO
Rating information acc. to UL	42 V DC 100 mA DC
Switching capacity	42 V 250 mA
Switching voltage	20 mV ... 42 V AC/DC
Switching current	1 mA ... 250 mA
Minimum voltage	5 V
Current minimal	1 mA under laboratory conditions
Overvoltage category	II
Pollution degree	2

Note

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

➔ Mechanical data

Connection	PCB-mount terminals
Operating travel	2.3 mm
Mechanical lifetime	600,000 switching cycles
Switching function	Momentary function

Tactile

No

Positive opening

Acc. to EN60947-5-1, appendix K

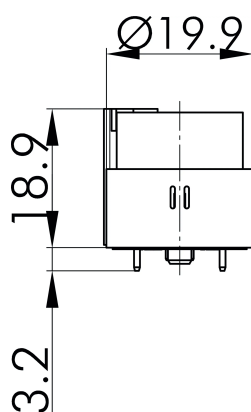
Note Service life with emergency stop

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

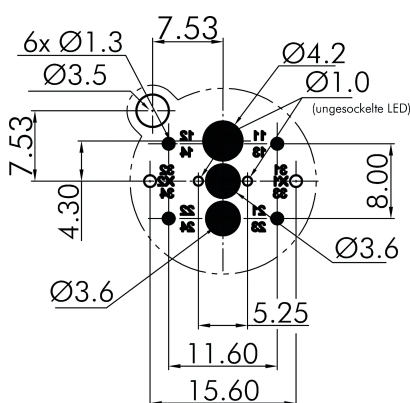
The contact elements must not be used individually. There must always be at least 2 contact elements on the PCB, each of which must be arranged offset by 180°.

Technical drawings

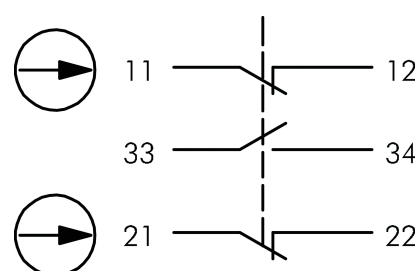
→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram



→ Switching path diagram

