

Datasheet

→ **FRTFLI** 

09/10/2025



Technical data

Illuminated momentary-contact switch with blade terminals

Type	FRTFLI
Series	Contact blocks FRTF...
Rubric	Contact blocks
Approvals	CCC, CE, cURus, ENEC10, VDE, UKCA



→ General data

Design	Round
Illumination	Yes
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
Electrical lifetime	600,000 switching cycles at rated voltage
Illuminant colour	White
Utilisation category IEC/EN 60947-5-1	AC15 B300 DC13 Q300
Contact type	1NO
Short circuit protection SCPD	6 A Char. D
Illuminant	LED integrated
Illuminant connection	X1...anode, X2...cathode
Operating voltage illuminant	max. 30 V AC/DC
Bouncing time	< 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 I _e AC 1.1 I _e DC
Minimum voltage	5 V

Current minimal 1 mA under laboratory conditions

Thermal continuous current 5 A AC

Overvoltage category II

Pollution degree 2

Note

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

→ Mechanical data

Connection Faston terminals 2.8 mm x 0.8 mm

Operating travel 2.3 mm

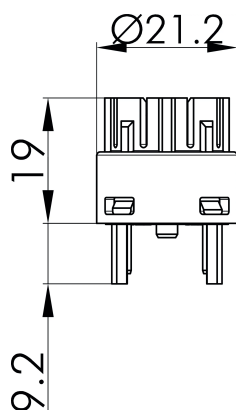
Mechanical lifetime 600,000 switching cycles

Switching function Momentary function

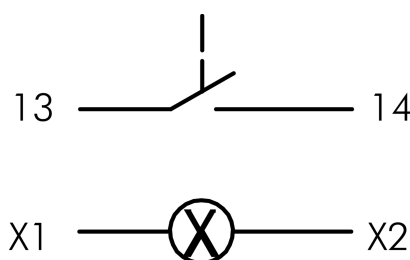
Tactile No

Technical drawings

→ Dimensional drawing



→ Circuit diagram



→ Switching path diagram

