

Datasheet

→ SVATLRBOI

08/04/2025



Technical data

Pushbutton with ring illumination

Type	SVATLRBOI
Series	SHORTRON®
Rubric	Pushbutton
Approvals	CCC, CE, cURus, DNV, ENEC10, VDE, UKCA



→ General data

Design	Round
Illumination	Yes
Operating temperature	-25 °C ... 70 °C
Panel cut-out	Ø 22.3 mm
Mounting depth	25.1 mm
Lens colour	Stainless steel
Front bezel colour	Stainless steel
Colour illuminated ring	Blue
Contact material	AgNi
Storage temperature	-40 °C ... 80 °C
Degree of protection front	IP65 IP67
Material group	I

→ Electrical data

<i>Rated operating voltage</i> IEC/EN 60947-5-1	240 V AC 120 V AC 250 V DC 125 V DC 60 V DC 24 V DC
<i>Rated operating current</i> 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
<i>Rated insulation voltage</i> IEC/EN 60947-5-1	250 V AC 250 V DC
<i>Rated voltage</i> IEC/EN 61058-1	250 V AC/DC
<i>Rated current</i> IEC/EN 61058-1	6(4) A
<i>Contact resistance</i>	< 20 mΩ NO < 20 mΩ NC
<i>Electrical lifetime</i>	1,000,000 switching cycles
<i>Illuminant colour</i>	White
<i>Utilisation category</i> IEC/EN 60947-5-1	AC15 B300 DC13 Q300
<i>Contact type</i>	1NC 1NO
<i>Illuminant power</i>	14 mA DC 24 V
<i>Illuminant</i>	LED integrated
<i>Illuminant connection</i>	X1...anode, X2...cathode
<i>Operating voltage illuminant</i>	max. 30 V AC/DC
<i>Bouncing time</i>	< 10 ms NC < 10 ms NO
<i>Switching capacity</i>	240 V AC/DC 1.5 A 250 V AC/DC 6 A

<i>Minimum voltage</i>	5 V
<i>Current minimal</i>	1 mA under laboratory conditions
<i>Thermal continuous current IEC/EN 60947-5-1</i>	5 A AC
<i>Overvoltage category</i>	II
<i>Pollution degree</i>	2

DC13: > 100,000 switching cycles

→ Mechanical data

<i>Connection</i>	Faston terminals 2.8 mm x 0.8 mm
<i>Operating travel</i>	2.3 mm
<i>Tightening torque fixing nut</i>	1.5 Nm ... 1.9 Nm
<i>Mounting position</i>	Any
<i>Mechanical lifetime</i>	1,000,000 switching cycles
<i>Switching function</i>	Momentary function
<i>Positive opening</i>	Acc. to EN60947-5-1, appendix K

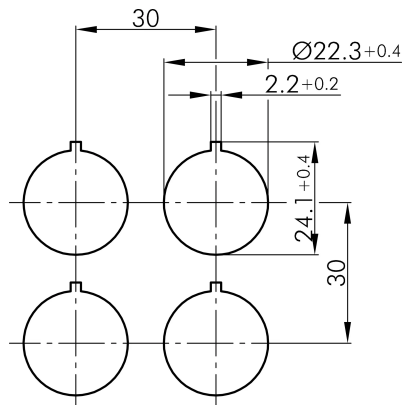
- Designs for blade terminals: use partially or fully insulated blade receptacles

Technical drawings

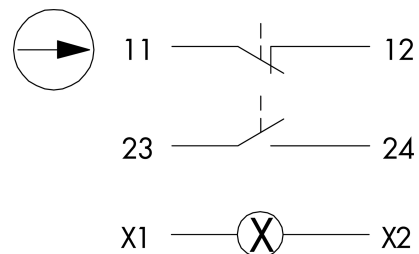
→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram



→ Switching path diagram

0 1 2

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