

Datasheet

→ SVATLRWI1 102C005

09/25/2025



Technical data

Pushbutton with white ring illumination and 4-pin M12 connection

Type	SVATLRWI1 102C005
Series	SHORTRON® connect
Rubric	Pushbutton
Approvals	CE, cURus, ENEC10, VDE, UKCA



→ General data

Design	Round
Illumination	Yes
Labelling option	No
Operating temperature	-25 °C ... 70 °C
Panel cut-out	Ø 22.3 mm
Mounting depth	34 mm
Lens colour	Stainless steel
Front bezel colour	Stainless steel
Colour illuminated ring	White
Contact material	AgNi
Storage temperature	-40 °C ... 80 °C
Standards	EN 60947-5-1 EN 61058-1

Ring illumination	Yes
Degree of protection front	IP65 IP67
Material group	I

→ Electrical data

Rated operating voltage IEC/EN 60947-5-1	35 V AC 35 V DC
Rated operating current IEC/EN 60947-5-1	4 A AC 2 A DC
Rated insulation voltage IEC/EN 60947-5-1	50 V AC 50 V DC
Contact resistance	< 50 mΩ NO new state
Electrical lifetime	1,000,000 switching cycles
Contact type	1NO
Illuminant power	14 mA DC 24 V
Illuminant	LED integrated
Operating voltage illuminant	max. 30 V AC/DC
Bouncing time	< 10 ms NO
Switching capacity	35 V AC/DC 4 A 35 V DC 2 A 250 mW
Thermal continuous current	4 A AC
Overvoltage category	II
Pollution degree	2

Safety instructions / installation instructions

- The plug connector must not be plugged in or unplugged under load
- The individual plug pin may be loaded with max. 2A

Pin assignment

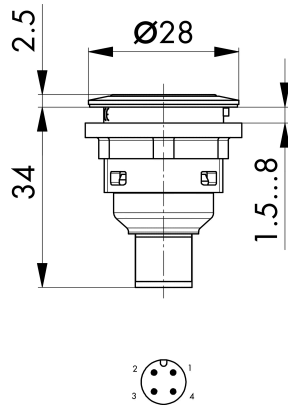
Pin1	COM: NC1(11), NO1(LED+)
Pin2	NC2 (22)
Pin3	LED-
Pin4	NC1 (12)
Pin5	NC2 (21)

→ Mechanical data

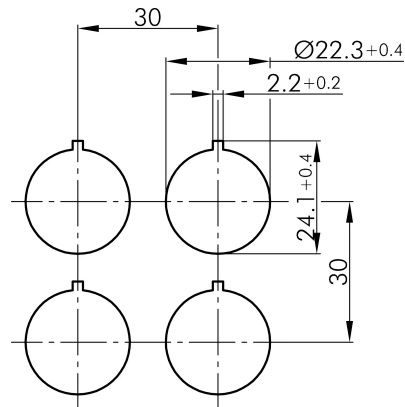
<i>Connection</i>	M12 A coded connector
<i>Operating travel</i>	2.3 mm Push button
<i>Tightening torque connection</i>	max. 0.4 Nm
<i>Tightening torque fixing nut</i>	1.5 Nm ... 1.9 Nm
<i>Mounting position</i>	Any
<i>Mechanical lifetime</i>	1,000,000 switching cycles
<i>Switching function</i>	Momentary function

Technical drawings

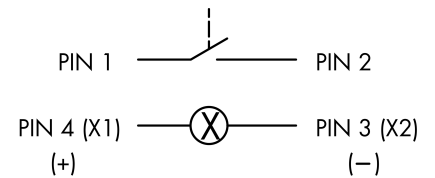
→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram



→ Switching path diagram

