Illuminated pushbutton NC

General Data

Type reference	SSSA15OI_M01
Description	Illuminated pre-assebled short-stroke pushbutton with M12 connector
Approvals	CE, cURus, ENEC10, VDE, UKCA
Contact type	1 NC
Degree of protection	IP65 / IP67 (on the rear IP65)
Operation travel	2.3 mm
Connection type	4-pole M12 with PUR cable, A coded; length 150 cm; wires 4x 0,34 mm² (AWG22)
Contact material	AgNi
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-25°C ... 70°C
Mechanical life	1 million switching cycles
Electrical life (rated load)	1 million switching cycles; DC13: max. 100,000
Contact resistance NC	< 300 mOhm (150 cm cable, AgNi contact block, new state)
Bouncing time NC	< 10ms
Positive opening contact	acc. to EN60947-5-1,appendix K

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category	AC15	DC13
Rated insulation voltage Ui	250 V	250 V
Rated operating voltage Ue	35 V	35 V
Rated operating current Ie	4 A	2 A
Breaking capacity	-	-
Continuous thermal current	4 A	-

Technical Data - Lamp

Lamp socket	none, with integrated 3 mm LED white
Max. lamp voltage	30 V AC/DC

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Max. lamp output	14 mA (at 24 V DC)

Additional data

Mounting aperture	22.3 mm
Tightening torque (mounting nut)	1.5 ... 1.9 Nm
Tightening torque (M12-connector)	max. 0.4 Nm
Mounting position	any
Standards	EN 60947-5-1, EN 61058-1
Material group	I
Overvoltage category	II
Pollution degree	2

Note

O = NC contact

- pushbutton (illumination option)

Pushbutton:
- Shortron range
- silver-coloured front ring
- sealed on rear

Connecting cable:
- PUR cable with M12 connector straight, black
- integrated stain relief
- cable diameter: 4.7 mm
- length: 150±5 cm
- bending radius moving: 10 x cable diameter
- bending radius fixed: 5 x cable diameter
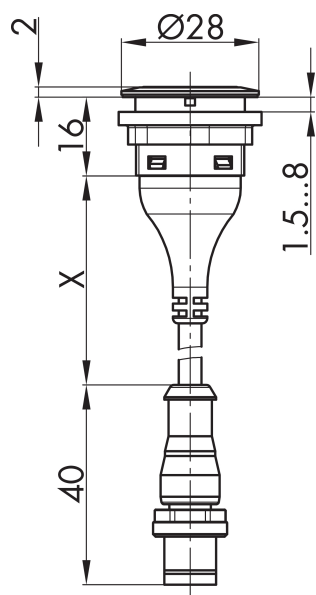
Pin assignment:
Pin1 Pin2 Pin3 Pin4
NC (1) NC (1) LED - LED +

Data acc. to UL508

Ratings	24 V DC 2 A General Purpose
Lamp rating	30 Vac/dc, 14 mA max

Ø28

2

16

1.5...8

X

40

PIN 1/ PIN 2

0 1 2

PIN 1   PIN 2

PIN 4(X1)   PIN 3 (X2)

1
2   4
3

30

Ø22.3 +0.4

2.2 +0.2

24.1 +0.4

30

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