General Data

Type reference	SVAFTLI_C005
Description	Illuminated short-stroke membrane pushbutton with integrated contact block and M12 connector
Approvals	CE, UKCA
Contact type	1 NO
Degree of protection	IP66 / IP67 / IP69K (in the front), IP65 (on the rear)
Operation travel	1.8 mm
Connection type	4-pole M12 connector (integrated), A coded
Contact material	AgNi
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-25°C ... 70°C
Mechanical life	3,000.000 (Tu 20°C) 1,000.000 (Tu 70°C) 170.000 (Tu -25°C)
Electrical life (rated load)	1 million switching cycles; DC13: max. 100,000
Contact resistance NO	< 50 mOhm (new state)
Bouncing time NO	< 10ms

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	50 V	50 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

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
Material group	I
Overvoltage category	II
Pollution degree	2

Note

I = NO contact

- illuminated membrane pushbutton
- stainless steel front ring
- labelling option
- front bezel black
- round shaped
- electrical lifetime: 3 million (at 5 V/ 6 mA, Tu=20 °C)

Planned approvals: UL

Pin assignment:
Pin 1 Pin 2 Pin 3 Pin 4 Type
NO NO LED - LED + 1 NO + LED

Safety instructions / mounting instructions
- the connector must not be connected or disconnected under load
- the single connector pin may be loaded with max. 4 A

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2/3

Ø28

3

33.5

1.5...8

2 1
3 4

PIN1/PIN2

0 1 2

PIN1 ─── PIN2
PIN 4 (X1) (+) ──⊗── PIN 3 (X2) (-)