

Datasheet

→ SWAOI_C008

06/11/2026



Technical data

Selector switch, maintained, with 4-pole M12 connector

Type	SWAOI_C008
Series	SHORTRON® connect
Rubric	Selector head
Approvals	CE, cURus, ENEC10, VDE, UKCA



→ General data

Design	Round
Operating temperature	-25 °C ... 70 °C
Panel cut-out	Ø 22.3 mm
Mounting plate thickness	1.5 mm ... 8 mm
Mounting depth	34 mm
Front bezel colour	Silver-coloured
Contact material	AgNi
Storage temperature	-40 °C ... 80 °C
Standards	EN 60947-5-1 EN 61058-1
Degree of protection front	IP65
Degree of protection rear	IP65 with connected M12 IP67 with connected M12
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	1 A AC 1 A DC
Rated insulation voltage IEC/EN 60947-5-1	50 V AC/DC
Contact resistance	< 50 mΩ NO new state < 50 mΩ NC new state
Electrical lifetime	30,000 switching cycles at rated voltage
Utilisation category IEC/EN 60947-5-1	AC-15 DC-13
Contact type	1NC 1NO
Bouncing time	< 10 ms NO < 10 ms NC
Rating UL 60947-5-1 / CSA C22.2 No. 60947-5-1	General Purpose 24 V / 1 A DC
Switching capacity	35 V AC/DC 1 A 35 V DC 1 A
Thermal continuous current IEC/EN 60947-5-1	1 A AC
Overvoltage category	II
Pollution degree	2

Safety instructions / installation instructions

- The connector must not be plugged in or unplugged under load

Pin assignment

Pin	Contact
1	COM
2	NC
3	n. c.
4	NO

→ Mechanical data

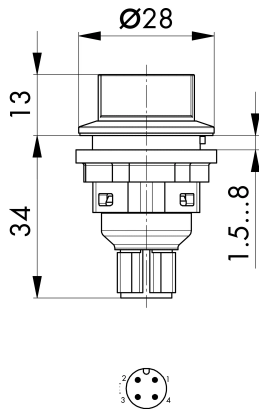
<i>Connection</i>	M12 connector 4-polig A coded
<i>Tightening torque connection</i>	max. 0.4 Nm
<i>Tightening torque fixing nut</i>	1.5 Nm ... 1.9 Nm
<i>Mounting position</i>	Any
<i>Mechanical lifetime</i>	30,000 switching cycles
<i>Switching function</i>	Latching function
<i>Switching position</i>	-45° zero position 45° maintained
<i>Positive opening</i>	Acc. to EN60947-5-1, appendix K

Safety instructions / installation instructions

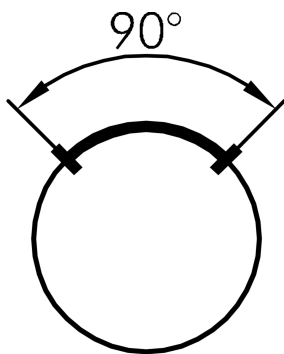
- The M12 connection must not be subjected to mechanical loads, ensure sufficient strain relief!

Technical drawings

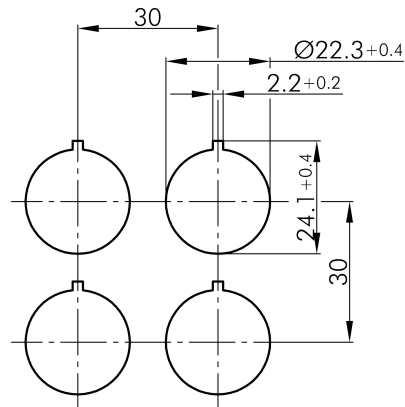
→ Dimensional drawing



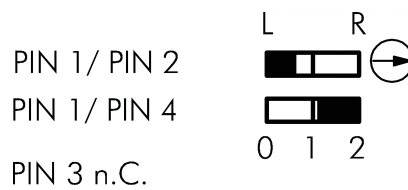
→ Position indicator



→ Cutout dimensions



→ Switching path diagram



→ Circuit diagram

