

1) Sensing surface



**Basic features**

Approval/Conformity	CE WEEE
Principle of operation	Reed switch (2-wire)
Scope of delivery	Offset screwdriver DIN 911 size 1.5

**Display/Operation**

Function indicator	yes
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**Electrical connection**

Cable	PUR, 0.20 m
Cable diameter D	2.90 mm
Connection	M8x1-Male, 3-pin
Polarity reversal protected	no
Protection against device mix-ups	no
Short-circuit protection	no

**Electrical data**

Load capacitance max. at Ue	0.5 µF
Operating voltage U <sub>b</sub>	4...30 VDC/4...30 VAC
Rated insulation voltage U <sub>i</sub>	75 V DC
Rated operating current I <sub>e</sub>	128 mA
Rated operating voltage U <sub>e</sub> AC	24 V
Rated operating voltage U <sub>e</sub> DC	24 V
Switching frequency	1000 Hz
Turn-off delay t <sub>off</sub> max.	0.2 ms
Turn-on delay t <sub>on</sub> max.	0.7 ms
Utilization category	AC-12 DC-12
Voltage drop static max.	4 V

**Environmental conditions**

Ambient temperature	-20...70 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
ESD	4A(15kV)
Emission	Group 1, Class A
Protection degree	IP65

**Functional safety**

MTTF (40 °C)	17 a
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## Material

Housing material	LCP
Material jacket	PUR
Material sensing surface	LCP

## Mechanical data

Dimension	29 x 6.2 x 4.4 mm
Tightening torque	0.1 Nm

## Output/Interface

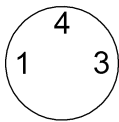
Switching output	polarized normally open (NO)
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## Remarks

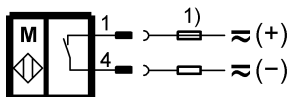
EMC: For operating conditions with noise sources  
External protection circuit is required. Document 825345.  
Recommendation: After a short circuit check the device for proper function.  
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## Connector Drawings



## Wiring Diagrams



1) For SCP see electrical data