

1) Sensing surface 2) Housing 3) Cover 4) LED function indicator



Display/Operation

Function indicator	yes
Power indicator	no
Setting	teachable

Electrical connection

Connection	M12x1-Male, 4-pole, A-coded
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	0.33 µF
MTTF (40 °C)	94 a
No-load current I ₀ max. at Ue	15.0 mA
Operating voltage U _b	12...30 VDC
Polarity reversal protected	yes
Rated insulation voltage U _i	75 V DC
Rated operating current I _e DC	50 mA
Rated operating voltage U _e DC	24 V
Ready delay t _v max.	200 ms
Ripple max. (% of U _e)	10 %
Switching frequency	5 Hz
Utilization category	DC-13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-40...85 °C
Autoclave compatible	135 °C, 1 h
Protection type IEC 60529	IP68 IP69K at connector exit
Storage temperature	-25...80 °C

Functional safety

Diagnostic coverage	0 %
Functional safety	no

General data

Application	Hygienic applications
Approval/Conformity	CE FDA compliant EHEDG conformal
Basic standard	IEC 60947-5-2
Scope of delivery	Installation guide
Sensitivity	depending on media teachable
Series	Level sensor

Material

Housing material	Stainless steel (1.4404)
Material sensing surface	PEEK

Mechanical data

Dimension	Ø 30 x 96 mm
Installation	non-flush
Pressure rating max.	16 bar
Size	D30.0
Thread (A)	G 1/2"
Tightening torque	20...25 Nm

Output/Interface

Switching output	PNP Normally open (NO)
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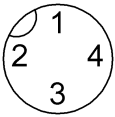
Remarks

Input DI can be used for teaching the switching point. In normal operation input DI should be connected continuously to L-. Suitable for all media except aggressive oils. For full calibration connect input DI to L+ for 2...7 seconds. For empty calibration connect to L+ for 7...12 seconds.

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Connector view



Wiring Diagram

