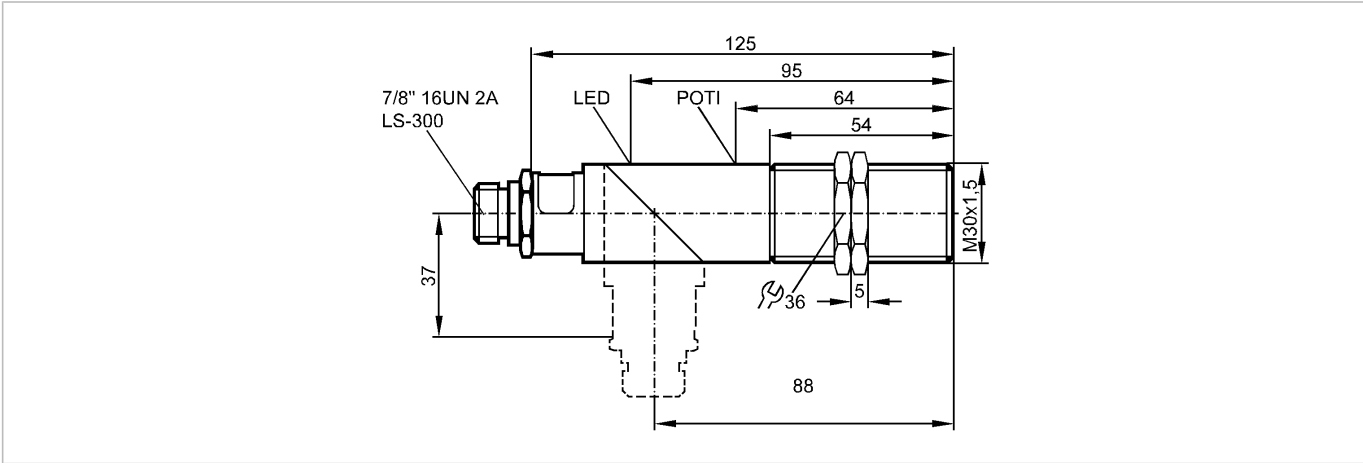


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Product characteristics

Capacitive sensor	
Plastic thread M30 x 1.5	
Quick disconnect	
Increased immunity to conducted radio frequency interference	
Sensing range 15 mm; adjustable 3...15 mm; [nf] non-flush mountable	

Electrical data

Electrical design		AC/DC
Operating voltage [V]		20...250 AC/DC
Protection class		I
Reverse polarity protection		no

Outputs

Output function		normally open / closed programmable
Voltage drop [V]		< 10 AC / < 8 DC
Minimum load current [mA]		5
Leakage current [mA]		< 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC)
Current rating		
- Current rating (continuous) [mA]		200; 250 (...50 °C)
- Current rating (peak) [mA]		î: 2.2 A (20 ms / 1 Hz)
Short-circuit proof		no
Overload protection		no
Switching frequency [Hz]		25 AC / 40 DC

Monitoring range

Sensing range [mm]		15, adjustable 3...15 mm
Real sensing range (Sr) [mm]		15 ± 10 %
Operating distance [mm]		0...12.1

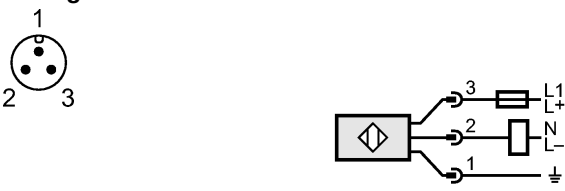
Accuracy / deviations

Correction factors		water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Hysteresis [% of Sr]		1...15
Switch-point drift [% of Sr]		-15...15

KI3514

KIE2015-FBOA/NI/LS300L RT

Capacitive sensors

Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC		IEC 60947-5-2: 2007
MTTF	[Years]	294
Mechanical data		
Mounting		non-flush mountable
Housing materials		PBT; end cap: polycarbonate
Weight	[kg]	0.16
Displays / operating elements		
Output status indication	LED	red
Electrical connection		
Connection		7/8" connector
Wiring  <p>Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)</p>		
Accessories		
Accessories (included)		2 lock nuts; screwdriver
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	[piece]	1

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