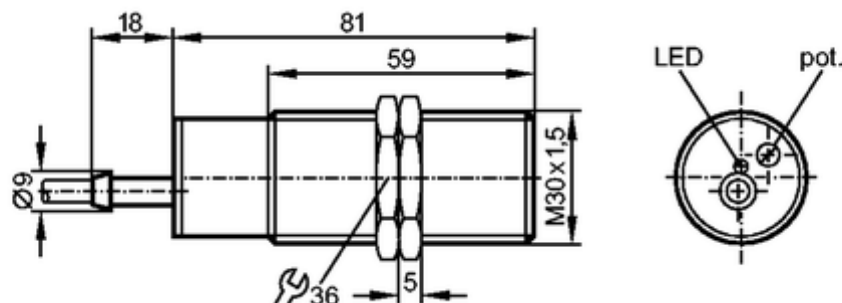




KI5002

KI-3015-BPKG/NI

Capacitive sensors



Product characteristics

Capacitive sensor

Plastic thread M30 x 1.5

Cable

Increased immunity to conducted radio frequency interference

Sensing range 15 mm; adjustable; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	13 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	40

Monitoring range

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

Accuracy / deviations

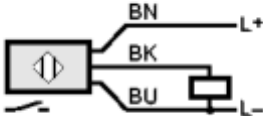
Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-15...15

Environment

Ambient temperature [°C]	-25...70
Protection	IP 65

Tests / approvals

EMC	IEC 60947-5-2:	2007
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MTTF [Years]	778
Mechanical data	
Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.195
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.5 mm ²
Wiring	
Core colors BN brown BU blue BK black	
Accessories	
Accessories (included)	2 lock nuts; screwdriver
Remarks	
Pack quantity [piece]	1

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