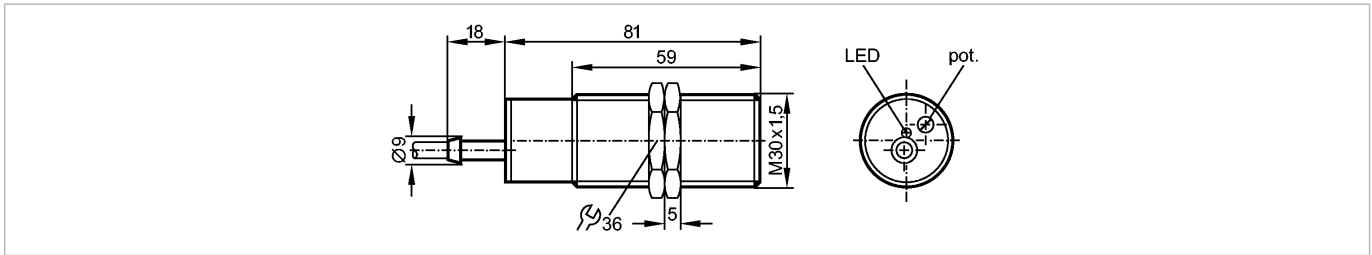


KI5207

KI-3015-FPKG/NI RT

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 3...15 mm; [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 / closed programmable
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit proof	yes
Overload protection	yes
Switching frequency [Hz]	40

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

Environment

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

Tests / approvals

EMC	IEC 60947-5-2:	2007
MTTF [Years]		692

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.179

KI5207

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Capacitive sensors

Displays / operating elements

Output status indication LED red

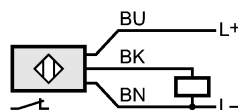
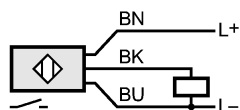
Electrical connection

Connection PVC cable / 2 m; 3 x 0.5 mm²

Wiring

Core colors

- BK black
- BN brown
- BU blue



Accessories

Accessories (included) 2 lock nuts; screwdriver

Remarks

Pack quantity [piece] 1