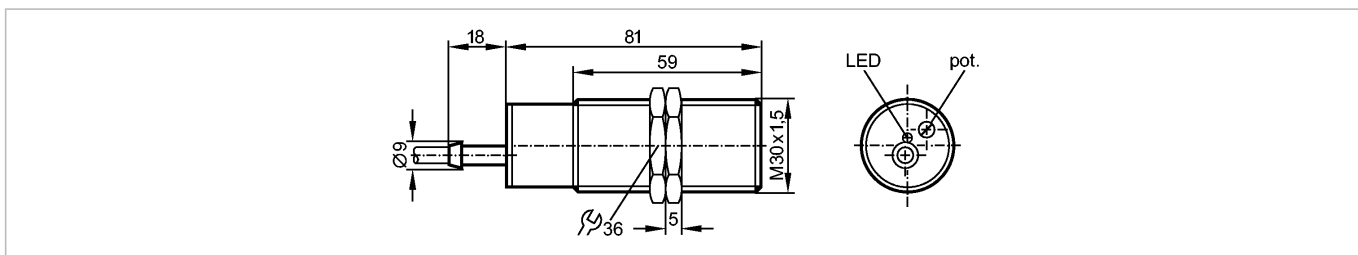


**KI5019**

KI-3015-BNKG/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 NPN
Operating voltage [V]	10...36 DC
Current consumption [mA]	13 (24 V)
Protection class	II
Reverse polarity protection	yes

**Outputs**

Output function	normally closed
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
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]		738

**Mechanical data**

Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.193

**KI5019**

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Capacitive sensors

**Displays / operating elements**

Output status indication      LED      yellow

**Electrical connection**

Connection      PVC cable / 2 m; 3 x 0.5 mm<sup>2</sup>

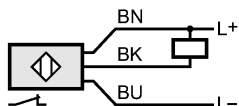
**Wiring**

Core colors

BN      brown

BU      blue

BK      black



**Accessories**

Accessories (included)      2 lock nuts; screwdriver

**Remarks**

Pack quantity      [piece]      1