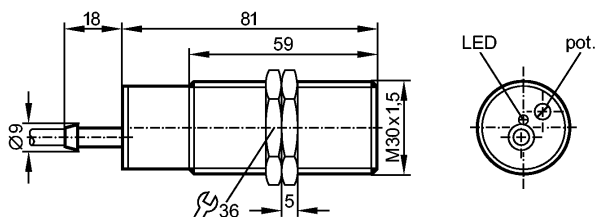


**KI5015**

KI-3015-ANKG/NI

**Capacitive sensors**


Made in Germany

**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 open
Voltage drop	[V]	< 2.5
Current rating	[mA]	250
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	40

**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		EN 60947-5-2
Shock resistance		30 g 6 shocks / 11 ms half-sine (x,y,z)
	EN 60068-2-27:	
Vibration resistance		(10...55 Hz) / 1 mm amplitude, oscillation period 5 min., 30 min. per axis at resonance or 55 Hz
	EN 60068-2-6:	
MTTF	[Years]	738

## KI5015

KI-3015-ANKG/NI

Capacitive sensors

### Mechanical data

Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.194

### Displays / operating elements

Output status indication	LED	yellow
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### Electrical connection

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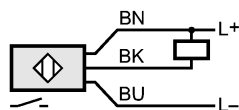
#### Wiring

Core colours

BN brown

BU blue

BK black



### Accessories

Accessories (included)	2 lock nuts; screwdriver
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### Remarks

Pack quantity	[piece]	1
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