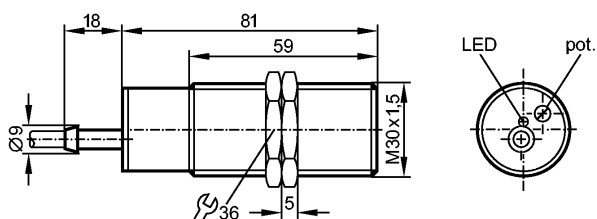


**KI5003**

KI-3015-APKG/NI/6M

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 closed
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
MTTF	[Years]		778

**Mechanical data**

Mounting		non-flush mountable
Housing materials		PBT
Weight	[kg]	0.363

## KI5003

KI-3015-APKG/NI/6M

Capacitive sensors

### Displays / operating elements

Output status indication      LED      yellow

### Electrical connection

Connection      PVC cable / 6 m; 3 x 0.5 mm<sup>2</sup>

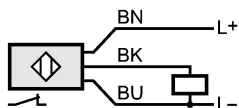
### Wiring

Core colors

BN      brown

BU      blue

BK      black



### Accessories

Accessories (included)      2 lock nuts; screwdriver

### Remarks

Pack quantity      [piece]      1