



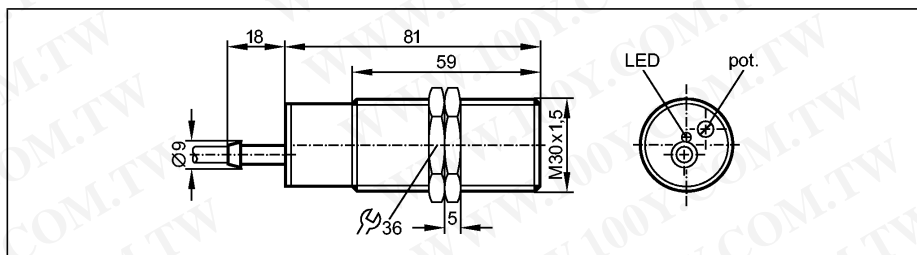
Capacitive sensors

**KI5015**

KI-3015-ANKG/NI  
 Capacitive sensor  
 Plastic thread M30 x 1.5  
 Cable

Increased immunity to conducted radio frequency interference

Sensing range 15 mm [nf]  
 non-flush mountable



Made in Germany

**Electrical design**

**Output**

Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Real sensing range	[mm]
Operating distance	[mm]
Switch-point drift	[% of Sr]
Hysteresis	[% of Sr]
Switching frequency	[Hz]
Correction factors	
Ambient temperature	[°C]
Protection	
EMC	
Housing materials	
Function display	
Switching status	LED
Connection	
Weight	[kg]
Accessories (included)	

**DC NPN  
 normally open**

Operating voltage	10...36 DC
Current rating	250
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	< 13 (24 V)
Real sensing range	15 ± 10 %
Operating distance	0...12.1
Switch-point drift	-15...15
Hysteresis	1...15
Switching frequency	40
Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Ambient temperature	-25...70
Protection	IP 65, II
EMC	EN 60947-5-2
Housing materials	PBT
Function display	
Switching status	yellow
Connection	PVC cable / 2 m; 3 x 0.5 mm <sup>2</sup>
Weight	0.181
Accessories (included)	2 lock nuts, screwdriver

**Wiring**

Core colours

- BN brown
- BU blue
- BK black

