

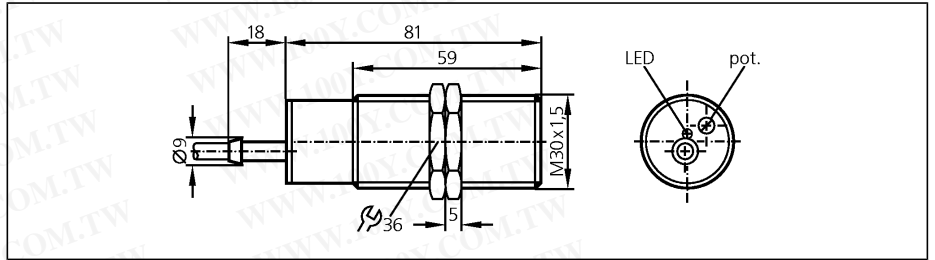
Capacitive sensors

KI5019

KI-3015-BNKG/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



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

Wiring

- Core colours
 BN brown
 BU blue
 BK black

