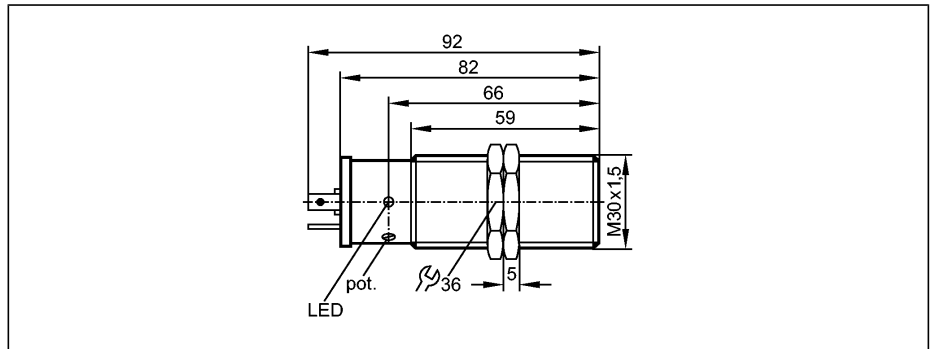


Capacitive sensors

KI0040

KI-2015-FBOA/NI/SS
 Capacitive sensor
 Plastic thread M30 x 1.5
 Connector
 Increased immunity to conducted radio frequency interference
 Sensing range 15 mm [nf]
 non-flush mountable



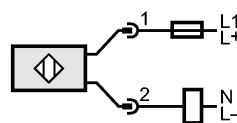
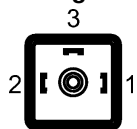
Made in Germany



Electrical design	
Output	
Operating voltage	[V]
Current rating (continuous)	[mA]
Current rating (peak)	[mA]
Minimum load current	[mA]
Short-circuit proof	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Leakage current	[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]
Remarks	
Accessories (included)	

AC/DC	
normally open / closed programmable	
20...250 AC/DC	
250 (...50 °C) / 200 (...70 °C)	
î: 1.5 A (20 ms / 0.5 Hz)	
5	
no	
no	
no	
< AC 10 / < DC 8	
< 2.5 (AC 250 V) / < 1.7 (AC 110 V) / < 1.5 (DC 24 V)	
15 ± 10 %	
0...12.1	
-15...15	
1...15	
25 AC / 40 DC	
water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2	
-20...70	
IP 65	
IEC 60947-5-2: 1997 + A1: 1999 + A2: 2003	
PBT	
yellow	
connector (DIN EN 175301-803)	
0.094	
Recommendation: check the unit for reliable function after a short circuit.	
2 lock nuts, screwdriver	

Wiring



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)