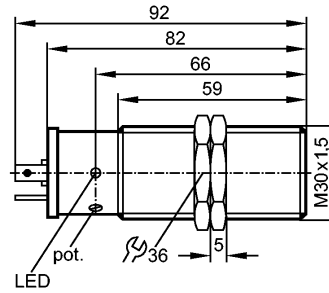


Capacitive sensors

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

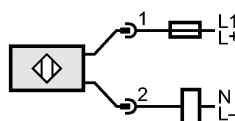
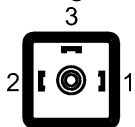
Operating voltage	[V]
Current rating (continuous)	[mA]
Current rating (peak)	[mA]
Minimum load current	[mA]
Short-circuit proof	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Leakage current	[mA]
Real sensing range	[mm]
Operating distance	[mm]
Switch-point drift	[% of Sr]
Hysteresis	[% 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)
$\hat{i}$: 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)