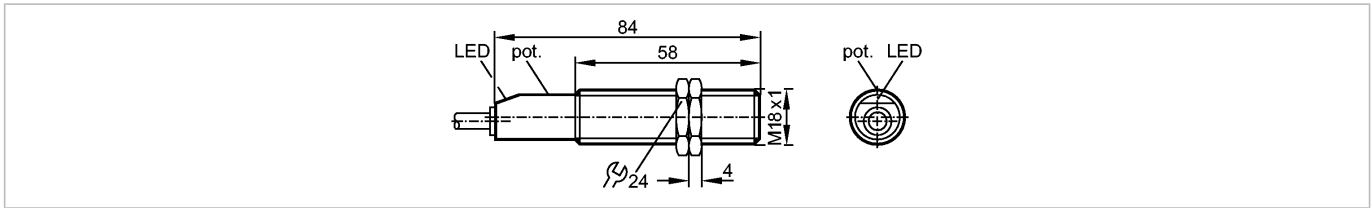


KG0009

KG-2008-ABOA/NI

Capacitive sensors



Product characteristics

Capacitive sensor
Plastic thread M18 x 1
Cable
Sensing range 8 mm; [nf] non-flush mountable

Electrical data

Electrical design	AC/DC
Operating voltage [V]	20...250 AC/DC
Protection class	II
Reverse polarity protection	no

Outputs

Output function	normally open
Voltage drop [V]	< 6
Minimum load current [mA]	4
Leakage current [mA]	< 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC)

Current rating	
- Current rating (continuous) [mA]	150 AC / 100 DC; 350 AC (...50 °C)
- Current rating (peak) [mA]	î: 2.1A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 50 DC

Monitoring range

Sensing range [mm]	8
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.5

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...80
Protection	IP 67

Tests / approvals

EMC	IEC 60947-5-2:	2007
MTTF [Years]		334

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT

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Capacitive sensors

Weight	[kg]	0.133
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Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

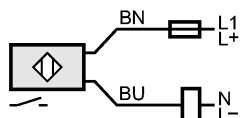
Connection	PVC cable / 2 m; 2 x 0.34 mm ²
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Wiring

Core colors

BN brown

BU blue



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

Accessories

Accessories (included)	2 lock nuts; screwdriver
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Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.
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Pack quantity	[piece]	1
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