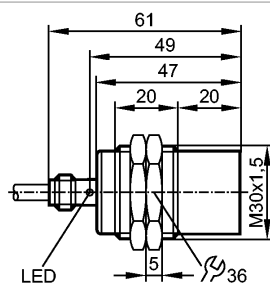


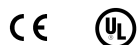
II7105

IIK3015-BPKG/II2M

Inductive sensors



Made in Germany



Product characteristics

Inductive sensor
Metal thread M30 x 1.5
Cable
Sensing range 15 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	15...30 DC
Current consumption [mA]	< 15
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Leakage current [mA]	< 0.1
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	200

Range

Sensing range [mm]	15
Real sensing range (Sr) [mm]	15 ± 10 %
Operating distance [mm]	0...12.1

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.6 / brass approx. 0.4 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...70
Protection	IP 67

Tests / approvals

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...2000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 3 V (0.15...80 MHz) EN 55011 (Emission): class B IEC 255-5: 1 kV (line to line, Ri: 500 Ohm)
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II7105

IIK3015-BPKG/II2M

Inductive sensors

MTTF	[Years]	1122
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Mechanical data

Mounting	non-flush mountable	
Housing materials	housing: Brass nickel-plated; active face: PBT; lock nuts: Brass	
Weight	[kg]	0.169

Displays / operating elements

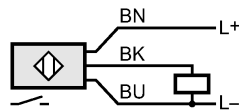
Output status indication	LED	yellow
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Electrical connection

Connection	PVC cable / 2 m; 3 x 0.34 mm ² ; Ø 4.9 mm	
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Wiring

Core colours
 BK black
 BN brown
 BU blue



Accessories

Accessories (included)	2 lock nuts	
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Remarks

Pack quantity	[piece]	1
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