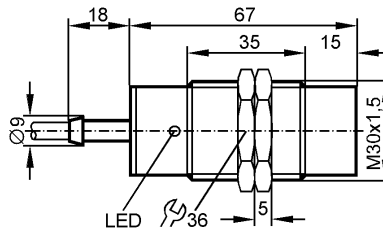


II5936

IIA4015ZCPKG/6M/SH

Inductive sensors


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]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	complementary
Voltage drop [V]	< 2.5
Leakage current [mA]	< 0.5
Current rating [mA]	70
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	250

Monitoring 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. 0.7 / brass approx. 0.4 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	0...130
Protection	IP 67

Tests / approvals

EMC	EN 61000-4-2 ESD:	4 kV CD
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II5936

IIA4015ZCPKG/6M/SH

Inductive sensors

	EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20hm) EN 61000-4-6 HF conducted: 10 V EN 55011 (Emission): class B
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MTTF	[Years]	1361
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Mechanical data

Mounting	non-flush mountable
Housing materials	
Weight [kg]	
	threaded sleeve: stainless steel; active face: PBT; end cap: TPE
	0.39

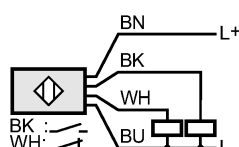
Electrical connection

Connection	silicone cable / 6 m; 4 x 0.34 mm ² ; Ø 5.4 mm
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Wiring

Core colors

BK black
 BN brown
 BU blue
 WH white


Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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