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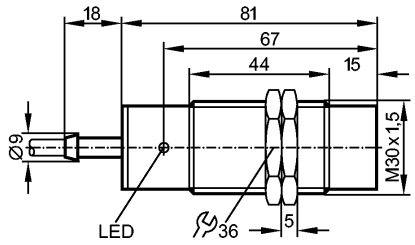
II5292

IIA3015-ANKG

Inductive sensors



CE

Product characteristics		
Inductive sensor		
Metal thread M30 x 1.5		
Cable		
Sensing range 15 mm; [nf] non-flush mountable		
Electrical data		
Electrical design		DC NPN
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15 (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	250
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. 0.3 / copper approx. 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	901
Mechanical data		
Mounting		non-flush mountable
Housing materials		brass white bronze coated; PBT
Weight	[kg]	0.269
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		

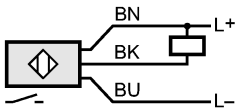
II5292 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection	PVC cable / 2 m; 3 x 0.5 mm²

Wiring

Core colors

BN brown
BU blue
BK black



Accessories

Accessories (included)	2 lock nuts

Remarks

Pack quantity	[piece]	1

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