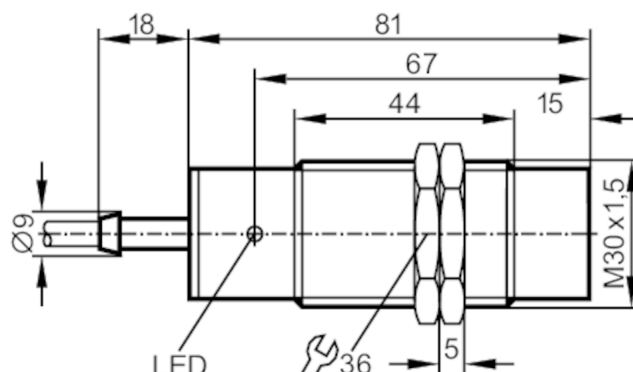




Inductive sensor

IIA3015-APKG/1,2M/AMP



Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	15
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 81

Application

System	Increased sensing range
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Electrical data

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

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	250
Short-circuit protection	yes
Overload protection	yes

Monitoring range

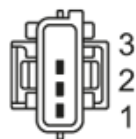
Sensing range [mm]	15
Real sensing range Sr [mm]	15 ± 10 %
Operating distance [mm]	0...12.1
Increased sensing range	yes



Inductive sensor

IIA3015-APKG/1,2M/AMP

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	235.2
Housing	Threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation	M30 x 1.5	
Material	brass nickel-plated; PBT	
Tightening torque	[Nm]	50
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 1.2 m, PVC; slotted corrugated pipe; 3 x 0.5 mm²		
Connector: 1 x TE		
Electrical connection - plug		

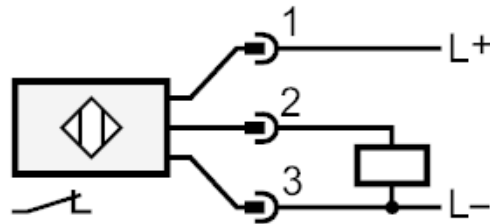




Inductive sensor

IIA3015-APKG/1,2M/AMP

Connection



Core colors

1	brown
2	black
3	blue