

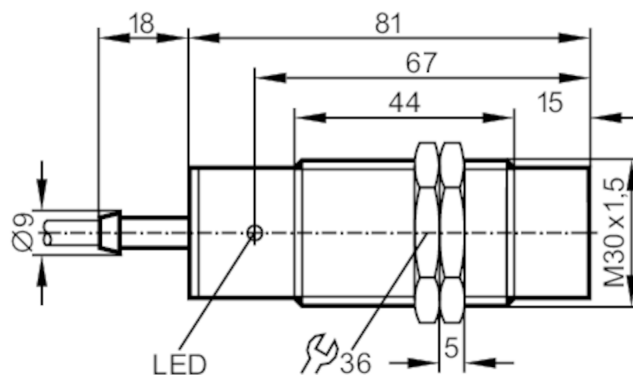
Inductive sensor

IIA3015-APKG/6M

Article no longer available - archive entry

Alternative articles: II5288

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

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

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
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

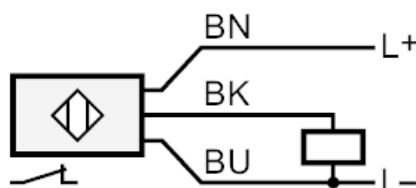
Sensing range [mm]	15
Real sensing range S_r [mm]	$15 \pm 10 \%$
Operating distance [mm]	0...12.1



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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	
MTTF	[years]	1844
Mechanical data		
Weight	[g]	0.431
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	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 6 m, PVC; 3 x 0.5 mm²		
Connection		



Core colors :
 BN = brown
 BU = blue
 BK = black