

II0298

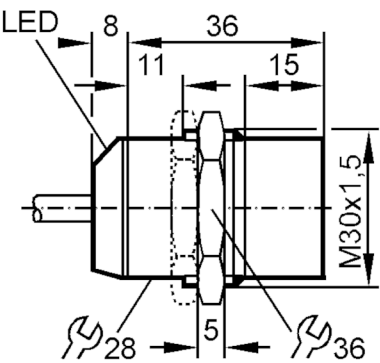


Inductive sensor

IIB2015-ABOW/10M/PH

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Alternative articles: II0227
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Output function		normally open
Sensing range	[mm]	15
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 44
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Current consumption	[mA]	< 1,5 (120 V AC) / < 3 (250 V AC)
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open
Max. voltage drop switching output AC	[V]	8,5
Minimum load current	[mA]	5
Permanent current rating of switching output AC	[mA]	100; (150 (...50 °C))
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25



Inductive sensor

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Short-circuit protection	no
Overload protection	no

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

Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67

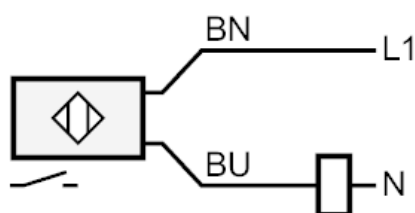
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data	
Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M30 x 1.5 / L = 44
Thread designation	M30 x 1.5
Material	PBT; threaded sleeve: brass white bronze coated

Displays / operating elements		
Display	Switching status	1 x LED, yellow

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 10 m, PUR; 2 x 0.5 mm ²	
Connection	



Core colors :
 BN = brown
 BU = blue