



Inductive sensor

IB-2020-ABOW/PPU

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Alternative articles: IB0045

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



Product characteristics

Output function	normally open
Sensing range [mm]	20
Housing	cylindrical
Dimensions [mm]	Ø 34 / L = 82

Electrical data

Frequency AC [Hz]	47...63
Operating voltage [V]	20...250 AC
Reverse polarity protection	no

Outputs

Output function	normally open
Max. voltage drop switching output AC [V]	5.5
Minimum load current [mA]	5
Max. leakage current [mA]	2.5
Permanent current rating of switching output AC [mA]	300; (500 (...50 °C))
Short-time current rating of switching output [mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]	15
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	20
Real sensing range Sr [mm]	20 ± 10 %
Operating distance [mm]	0...16.2

Accuracy / deviations

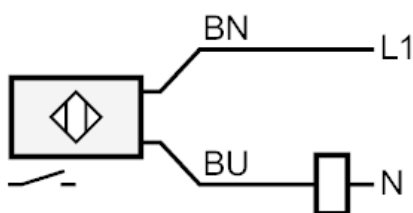
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis [X01]	1...15
Switch point drift [X01]	-10...10



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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34 / L = 82
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Аксессуары		
Items supplied		кріпильні хомути: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR / PVC; 2 x 0.5 mm ²		
Connection		



BN = Core colours :
brown
BU = blue