

Inductive sensor

IA-2010-ABOW/10m

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Product characteristics

Output function		normally open
Sensing range	[mm]	10
Housing		cylindrical
Dimensions	[mm]	Ø 20

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		II
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]	20
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	10
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**Inductive sensor**

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Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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

Mechanical data

Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20
Materials		PBT

Displays / operating elements

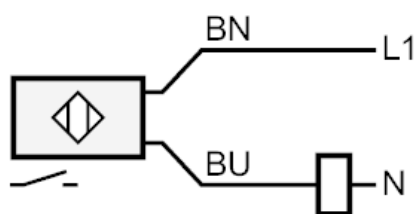
Display	switching status	1 x LED, yellow
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Accessories

Items supplied	Mounting clamps: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connectionCable: 10 m, PVC; 2 x 0.5 mm²**Connection**

BN = Core colours :
brown
BU = blue