

Inductive sensor

IIA2010-ABOA/V4A/20m

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Product characteristics

Output function		normally open
Sensing range	[mm]	10
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 81

Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	50
Short-circuit protection		no
Overload protection		no

Monitoring range

Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %

II0085



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Operating distance	[mm]	0...8.1
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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	
	EN 55011	class B

Mechanical data

Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
Material		stainless steel (1.4571/316Ti); PBT

Displays / operating elements

Display	Switching status	1 x LED, red
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Accessories

Items supplied		lock nuts: 2
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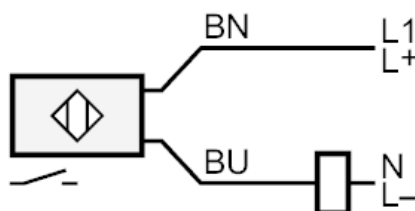
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 20 m, PVC; 2 x 0.5 mm²

Connection



BN = Core colors :
brown
BU = blue