

Inductive sensor

IA-3010-APOG/20m

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Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	10
Housing	cylindrical
Dimensions [mm]	Ø 20

Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	7; (24 V)
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	100
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	10
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IA5012



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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

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

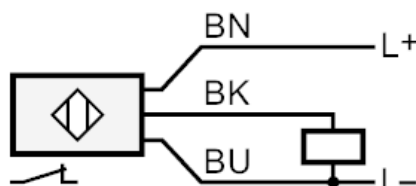
Mechanical data		
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20
Materials		PBT

Displays / operating elements		
Display	switching status	1 x LED, red

Accessories		
Items supplied		Mounting clamps: 1

Remarks		
Pack quantity		1 pcs.

Electrical connection		
Cable: 20 m, PVC; 3 x 0.5 mm²		
Connection		



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