



Inductive sensor

IS-3002-APOG/20m

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Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	2
Housing	rectangular
Dimensions [mm]	28 x 10 x 16

Electrical data

Operating voltage [V]	10...36 DC; (cULus - Class 2 source required)
Current consumption [mA]	15; (24 V)
Protection class	III
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]	200
Switching frequency DC [Hz]	800
Short-circuit protection	no
Overload protection	no

Monitoring range

Sensing range [mm]	2
Real sensing range Sr [mm]	$2 \pm 10\%$
Operating distance [mm]	0...1.6

IS5014



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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
MTTF	[years]	3044

Mechanical data

Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	28 x 10 x 16
Material		PBT
Tightening torque	[Nm]	< 0.5; (with washer)

Displays / operating elements

Display	Switching status	1 x LED, yellow
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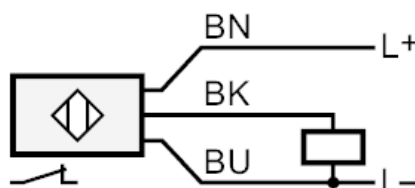
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 20 m, PVC; 3 x 0.14 mm²

Connection



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