

Inductive sensor

IS-3002-ANOG/10m

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Product characteristics

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

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	III
Reverse polarity protection	no

Outputs

Electrical design	NPN
Output function	normally open
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

Detection zone

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

IS5011



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Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
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]	2791	

Mechanical data

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

Displays / operating elements

Display	switching status	1 x LED, yellow
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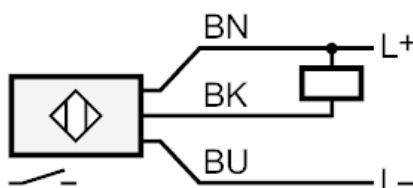
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 10 m, PVC; 3 x 0.14 mm²

Connection



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