

Inductive sensor

IGB3005-APOG/10m

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Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	5
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 38

Electrical data

Operating voltage [V]	18...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	125; (150 (...50 °C))
Switching frequency DC [Hz]	500
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	5
Real sensing range S_r [mm]	$5 \pm 10 \%$
Operating distance [mm]	0...4.05

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [X01]	1...15
Switch point drift [X01]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

IG5248



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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[ANN]	3077

Mechanical data

Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M18 x 1 / L = 38
Thread designation	M18 x 1
Materials	brass white bronze coated; PC

Displays / operating elements

Display	switching status	1 x LED, yellow
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Аксессуары

Items supplied	lock nuts: 2
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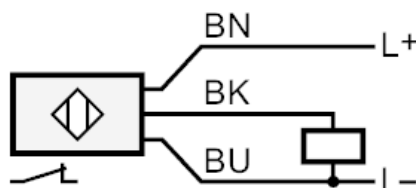
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 10 m, PVC; 3 x 0.5 mm²

Connection



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