



Inductive sensor

IFA3004-BNKG/20m

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Product characteristics

Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	4
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 71

Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	5; (24 V)
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	4
Real sensing range S_r	[mm]	$4 \pm 10 \%$
Operating distance	[mm]	0...3.25

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
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IF5344



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Protection	IP 67
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Mechanical data

Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M12 x 1 / L = 71
Thread designation	M12 x 1
Materials	brass nickel-plated; PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Аксессуары

Items supplied	lock nuts: 2
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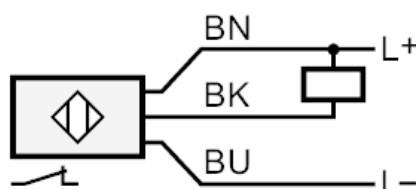
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 20 m, PVC; 3 x 0.34 mm²

Connection



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