



Inductive sensor

IFB3004-ANKG/MS/10m

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Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	4
Housing	Threaded type
Dimensions [mm]	M12 x 1

Electrical data

Operating voltage [V]	18...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally open
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]	400
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	4
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IF5276



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Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

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

Mechanical data		
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Material		brass nickel-plated; PBT

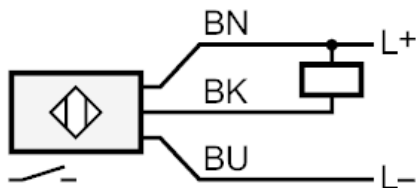
Displays / operating elements		
Display	Switching status	1 x LED, yellow

Accessories		
Items supplied		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

Electrical connection		
Cable: 10 m, PVC; 3 x 0.34 mm²		

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