



Inductive sensor

IFB3002-BNOG/20m

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Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	2
Housing	Threaded type
Dimensions [mm]	M12 x 1 / L = 35

Electrical data

Operating voltage [V]	18...36 DC
Current consumption [mA]	7; (24 V)
Reverse polarity protection	no

Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	2
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 ± 10 %
Operating distance [mm]	0...1.6

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

IF5226



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Mechanical data	
Housing	Threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1 / L = 35
Thread designation	M12 x 1
Material	brass nickel-plated; PBT

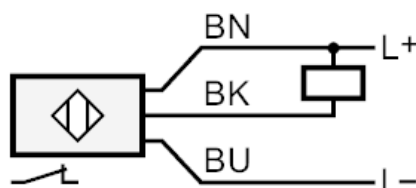
Displays / operating elements		
Display	Switching status	1 x LED, yellow

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 20 m, PVC; 3 x 0.34 mm ²	

Connection



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