IF5038

Inductive sensor

IF-3002-BPOG/20m

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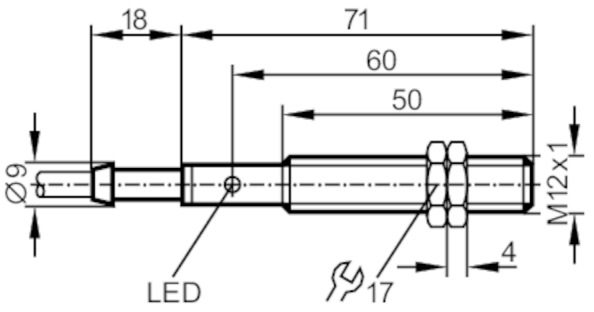

Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 71
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	7; (24 V)
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	700
Short-circuit protection		no
Overload protection		no
Detection zone		
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 / 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

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Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 71
Thread designation		M12 x 1
Materials		PBT

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

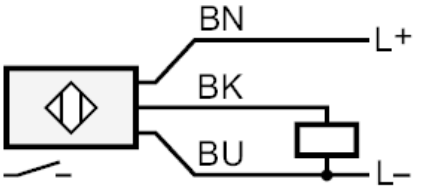
Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 20 m, PVC; 3 x 0.34 mm²

Connection



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