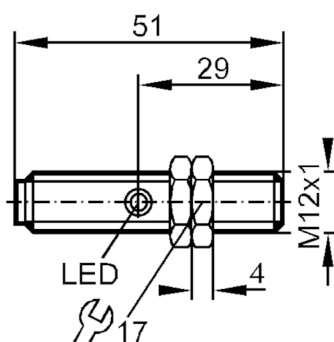


Inductive sensor

IFB3002-BPKG

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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

Electrical data

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

Outputs

Electrical design	PNP
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]	800
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

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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: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[X01]	3...15
Switch point drift	[X01]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M12; coding: A		
		

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Connection

