

IF5954

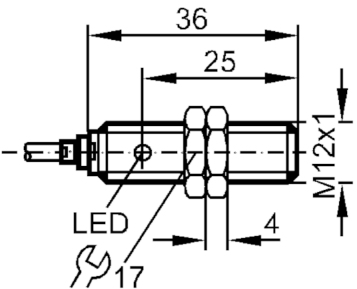


Inductive sensor

IFB3002-APKG/0,8MZH/US-100-DPO

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Alternative articles: IF5542
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics	
Electrical design	PNP
Output function	normally closed
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M12 x 1
Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Electrical design	PNP
Output function	normally closed
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

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Type of short-circuit protection	pulsed
Overload protection	yes

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 67	

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 white bronze coated; PC	

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 - plugCable: 0.8 m, PUR; 3 x 0.14 mm²

Connector: 1 x M12; coding: A



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Connection

