

IF0221



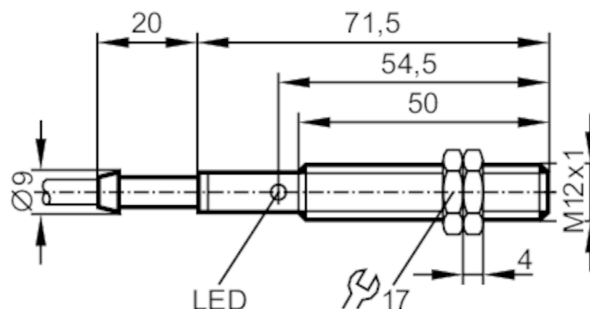
Inductive sensor

IF-2004-BBOW

Article no longer available - archive entry

Alternative articles: IF0004

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Output function		normally closed
Sensing range	[mm]	4
Housing		Threaded type
Dimensions	[mm]	M12 x 1 / L = 71.5

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...140 AC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally closed
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	8
Max. leakage current	[mA]	2.5 (140 V AC)
Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Short-circuit protection		no
Overload protection		no

Monitoring range

Sensing range	[mm]	4
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

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Switch-point drift	[% of Sr]	-10...10
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Operating conditions

Ambient temperature	[°C]	-25...80
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Protection	IP 67
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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing	Threaded type
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Mounting	non-flush mountable
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Dimensions	[mm]	M12 x 1 / L = 71.5
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Thread designation	M12 x 1
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Material	PBT
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Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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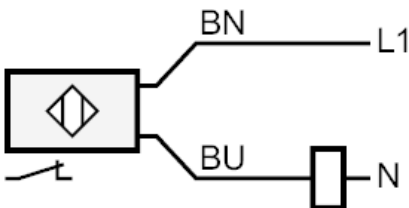
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



BN = Core colors :
brown
BU = blue