



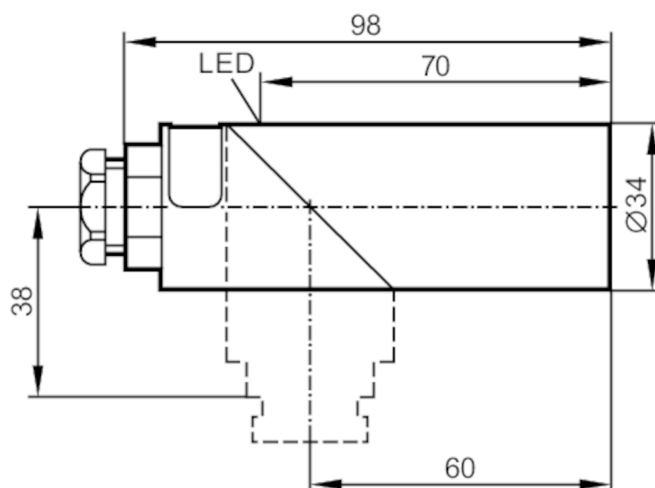
Inductive sensor

IBE2020-FROG

Article no longer available - archive entry

Alternative articles: IB5124

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



Product characteristics

Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	20
Housing		cylindrical
Dimensions	[mm]	Ø 34 / L = 98

Electrical data

Operating voltage	[V]	8...30 DC
Reverse polarity protection		no

Outputs

Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	5.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1.4
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	40
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	20
Real sensing range S_r	[mm]	$20 \pm 10 \%$
Operating distance	[mm]	0...16.2

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of S_r]	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 65
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Tests / approvals

EMC	EN 60947-5-2
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Mechanical data

Housing	cylindrical
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Mounting	non-flush mountable
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Dimensions	[mm]	Ø 34 / L = 98
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Materials	PBT; end cap: PC
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Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	Mounting clamps: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection

terminals: ...2.5 mm²

Connection

