



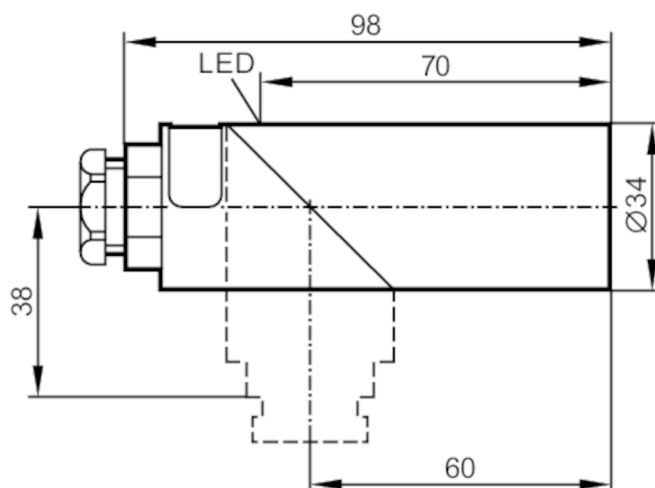
Inductive sensor

IBE2020-FRKG

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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]	10...55 DC
Reverse polarity protection		yes

Outputs

Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	1
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	40
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.54 / aluminium: 0.5 / copper: 0.46
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Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 65

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

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

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

