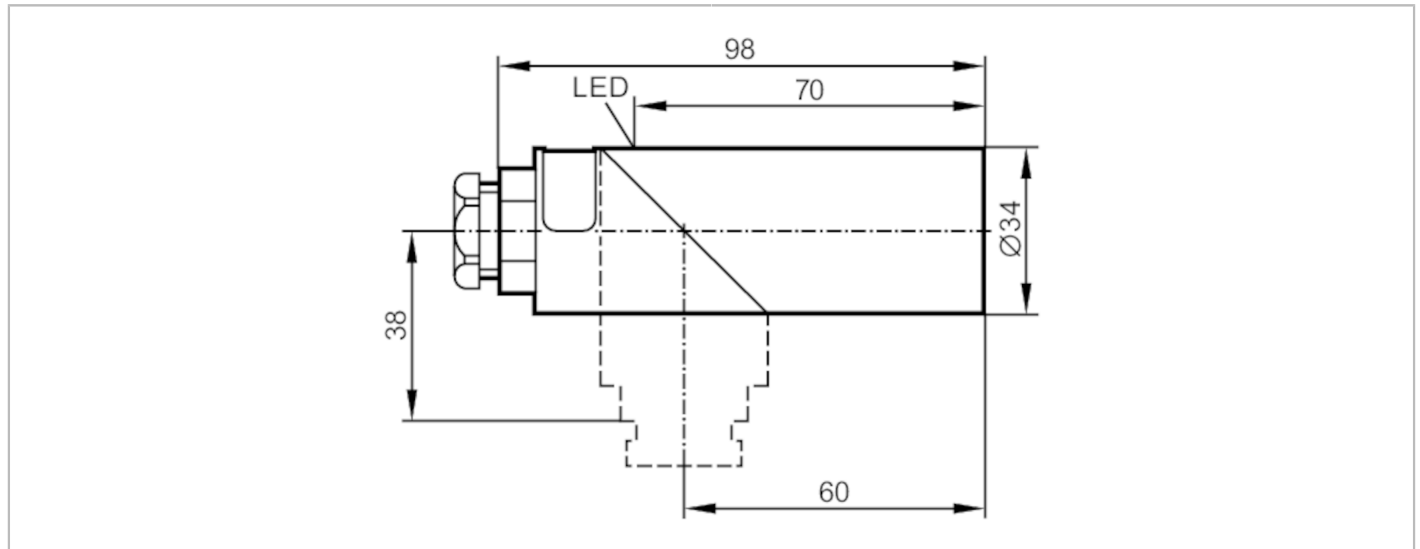


IB5133



Inductive sensor

IBE3030-FPKG



Product characteristics

Electrical design		PNP
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	30
Housing		cylindrical
Dimensions	[mm]	Ø 34 / L = 98

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 open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	350
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	30
Real sensing range S_r	[mm]	$30 \pm 10 \%$
Operating distance	[mm]	0...24.3

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
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IB5133



Inductive sensor

IBE3030-FPKG

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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MTTF	[years]	1824
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Mechanical data

Weight	[g]	187
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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; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection

