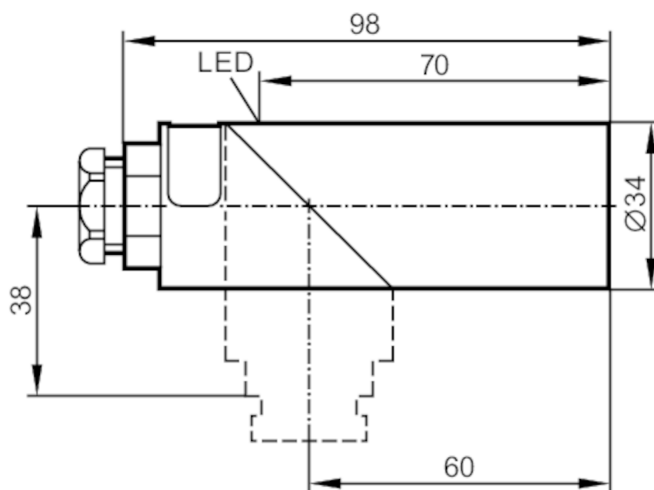




Inductive sensor

IBE3020-FPOG

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Product characteristics

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

Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	7; (24 V)
Reverse polarity protection	no

Outputs

Electrical design	PNP
Output function	normally open / closed; (selectable)
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	40
Short-circuit protection	no
Overload protection	no

Monitoring range

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: 0.85 / brass: 0.54 / aluminum: 0.5 / copper: 0.46
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

IB5109



Inductive sensor

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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34 / L = 98
Material		PBT; end cap: PC
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		Mounting clamp: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection		
terminals: ...2.5 mm²		
Connection		

