

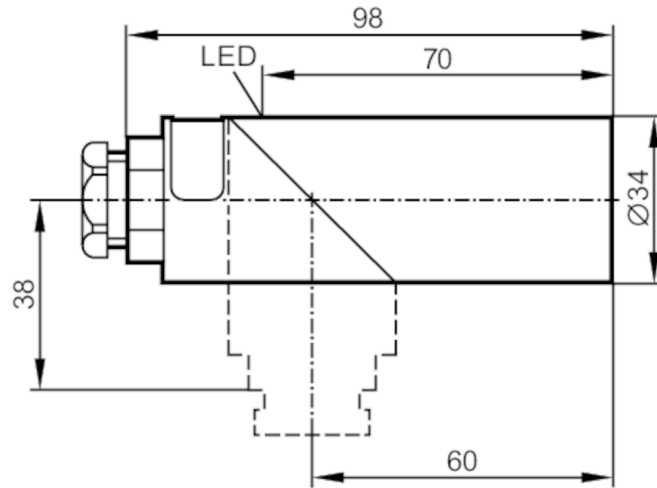
# IB5109



## Inductive sensor

IBE3020-FPOG

Article no longer available - archive entry



### 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

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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 mm <sup>2</sup>		
Connection		

