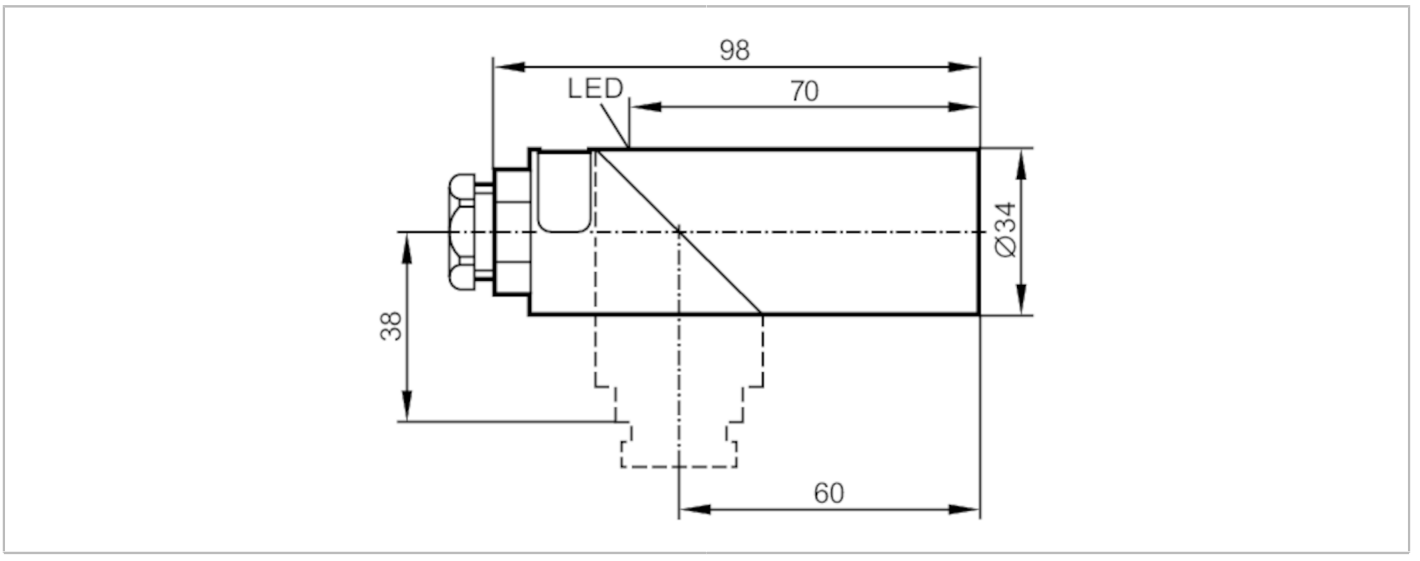
IB5133

Inductive sensor

IBE3030-FPKG



Product characteristics		
Electrical design		PNP
Output function		normally open / closed; (selectable)
Sensing range	[mm]	30
Housing		tubular
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 / 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		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	30
Real sensing range Sr	[mm]	30 ± 10 %
Operating distance	[mm]	0...24.3

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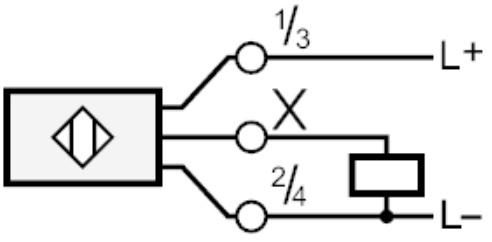
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3	
Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	1824	
Mechanical data			
Weight	[g]	187	
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; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection