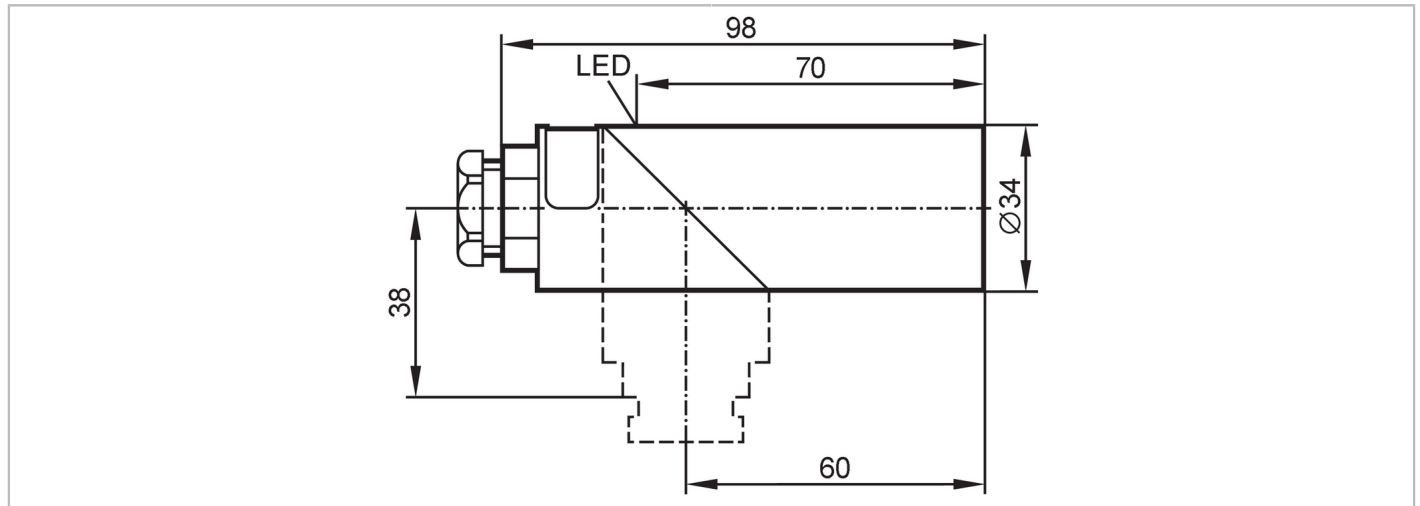


IB5063



Inductive sensor

IBE3020-FPKG



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...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]	250
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]	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: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15

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Inductive sensor

IBE3020-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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EN 55011	class B
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MTTF	[years]	2450
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UL approval	Ta	0...40 °C
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Enclosure type	Type 1
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File number UL	E174191
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Mechanical data

Weight	[g]	186.5
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Housing	tubular
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Mounting	non-flush mountable
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Dimensions	[mm]	Ø 34 / L = 98
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Material	housing: PBT; bevelled housing part: PC
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Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	Mounting clamp: 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

