

IB5064



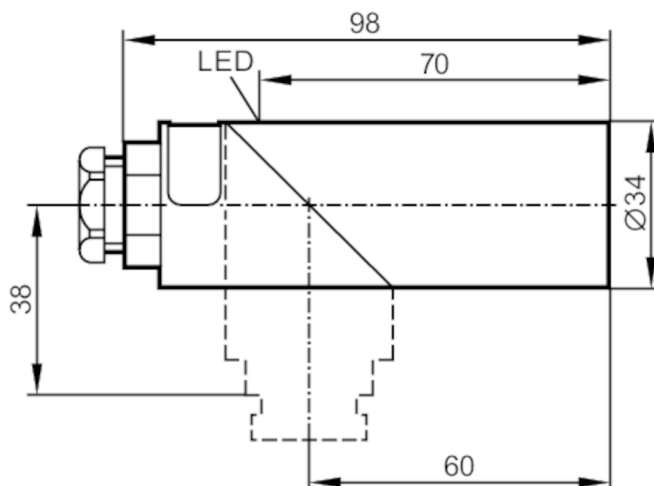
Inductive sensor

IBE3020-FNKG

Article no longer available - archive entry

Alternative articles: IB5124

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	NPN
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	NPN
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
--------------------	----

IB5064



Inductive sensor

IBE3020-FNKG

Real sensing range S_r	[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 S_r]	1...15
Switch-point drift	[% of S_r]	-10...10

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; Cable sheath: Ø 7...13 mm

Connection

