

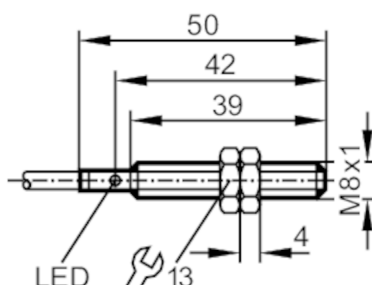
Inductive sensor

IE-3001-ANOG/PPU

Article no longer available - archive entry

Alternative articles: IE5131

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



Product characteristics

Electrical design		NPN
Output function		normally open
Sensing range	[mm]	1
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 50

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		no

Outputs

Electrical design		NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	1
Real sensing range Sr	[mm]	1 ± 10 %
Operating distance	[mm]	0...0.8

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
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IE5196



Inductive sensor

IE-3001-ANOG/PPU

Protection	IP 67
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Mechanical data

Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 50
Thread designation	M8 x 1
Materials	PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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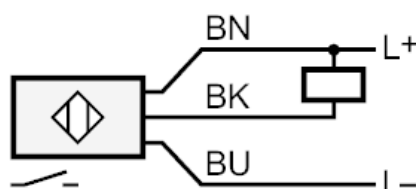
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR / PVC; 3 x 0.14 mm²

Connection



BN = Core colours :
brown
BU = blue
BK = black