



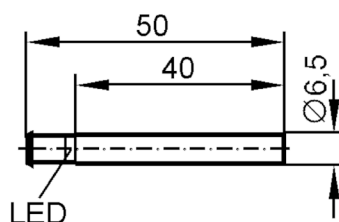
Inductive sensor

ITB3001-BPOG/AS-500-DPS

Article no longer available - archive entry

Alternative articles: IT5021

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



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	1
Housing	cylindrical
Dimensions [mm]	Ø 6.5

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	10; (24 V)
Reverse polarity protection	no

Outputs

Electrical design	PNP
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]	900
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	1
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Inductive sensor

ITB3001-BPOG/AS-500-DPS

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

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Mechanical data

Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 6.5
Materials		brass nickel-plated; PBT

Displays / operating elements

Display	switching status	1 x LED, red
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Accessories

Items supplied	Mounting clamps: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M8; coding: A



Connection

