

IT5029

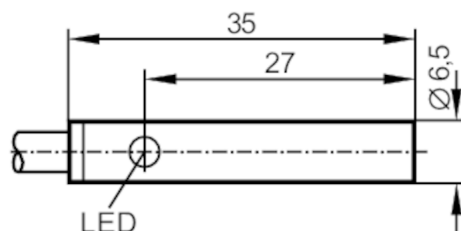


Inductive sensor

ITB2001-BROG/0,32M/OVERP

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Discontinuation date: 31.03.2019



Product characteristics

Electrical design		PNP/NPN
Output function		normally closed
Sensing range	[mm]	1
Housing		cylindrical
Dimensions	[mm]	Ø 6.5 / L = 35

Electrical data

Operating voltage	[V]	10...36 DC
Protection class		III
Reverse polarity protection		no

Outputs

Electrical design		PNP/NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.8
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
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

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Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	5569	

Mechanical data

Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 6.5 / L = 35
Materials		brass nickel-plated; PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Accessories (supplied)	Mounting clamps: 1
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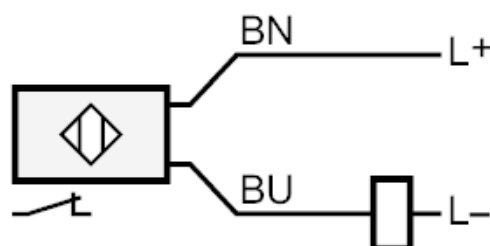
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 0.32 m, PVC; 2 x 0.14 mm²

Connection



Core colours :

BK = black

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