

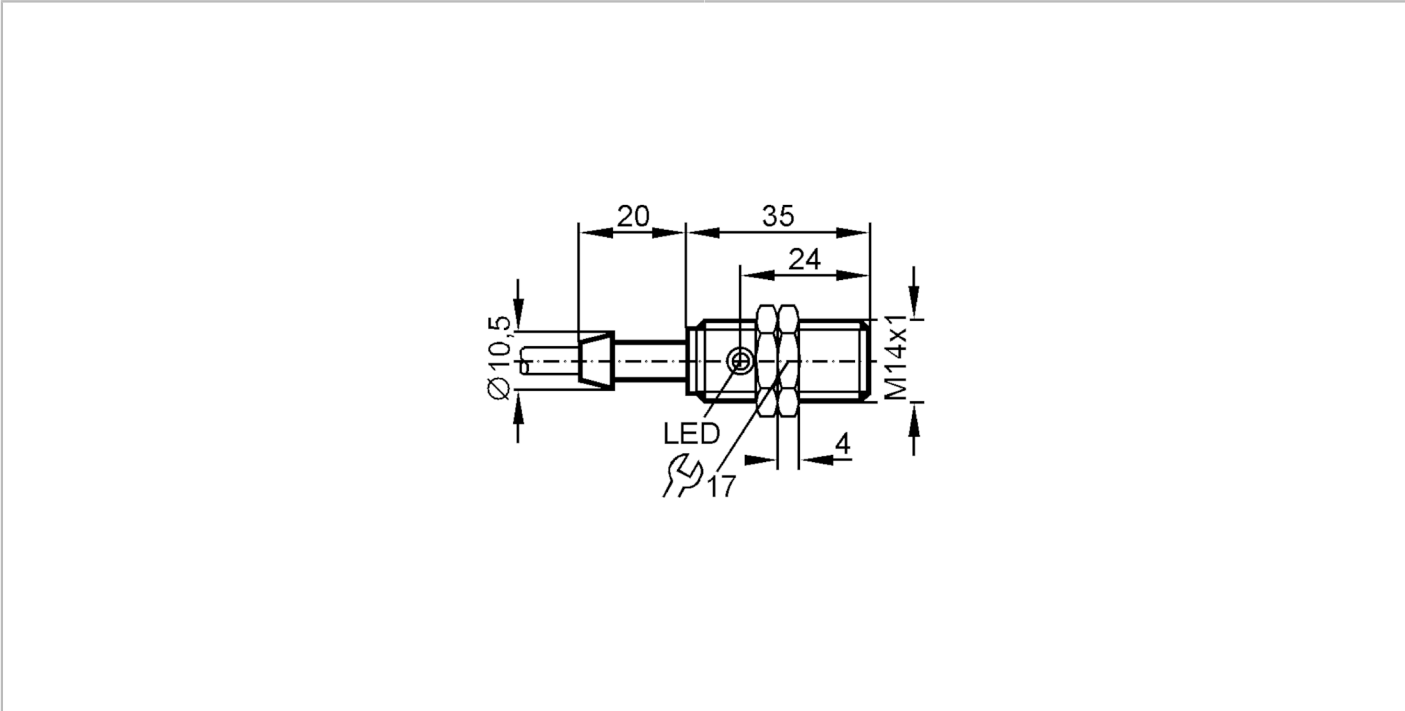
IP5002



Inductive sensor

IP-5002

Article no longer available - archive entry



Product characteristics		
Electrical design		PNP
Output function		normally closed
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M14 x 1
Electrical data		
Operating voltage	[V]	18...36 DC
Current consumption	[mA]	7; (24 V)
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		PNP
Output function		normally closed
Max. voltage drop switching output DC	[V]	2
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	800
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	2

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Real sensing range S_r	[mm]	$2 \pm 10 \%$
Operating distance	[mm]	0...1.6

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of S_r]	3...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M14 x 1
Thread designation		M14 x 1
Materials		brass nickel-plated; 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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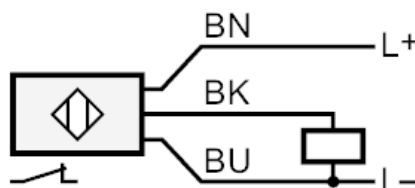
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



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