

IE5347

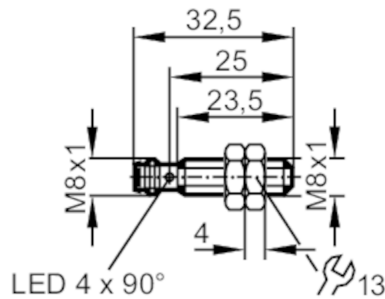


Inductive sensor

IEB31,5-BPKG/AS-514-TPS

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Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	1.5
Housing		Threaded type
Dimensions	[mm]	M8 x 1 / L = 32.5

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	10; (24 V)
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		no

Monitoring range

Sensing range	[mm]	1.5
Real sensing range S_r	[mm]	$1.5 \pm 10\%$
Operating distance	[mm]	0...1.2

Accuracy / deviations

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

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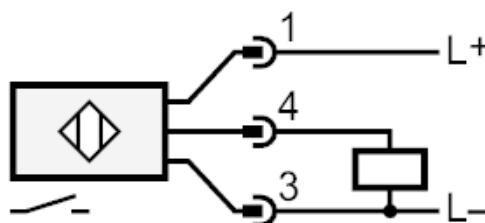
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Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 32.5
Thread designation		M8 x 1
Material		housing: stainless steel; sensing face: PBT
Displays / operating elements		
Display	Switching status	4 x 90° LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		

Connector: 1 x M8



Connection



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