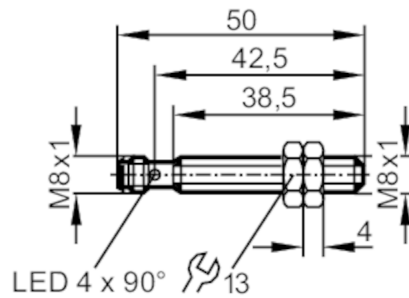


# IE5372



## Inductive sensor

IEB31,5BBPKG/AS



### Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	1.5
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 50

### Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes

### Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	1700
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

Sensing range	[mm]	1.5
Real sensing range Sr	[mm]	1.5 ± 10 %
Operating distance	[mm]	0...1.22

### Accuracy / deviations


Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...20
Switch point drift	[% of Sr]	-10...10

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Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 65; (with ifm socket duly screwed on: IP67)
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	2378
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	18.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation		M8 x 1
Materials		brass white bronze coated; sensing face: LCP
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M8		
		



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### Connection

