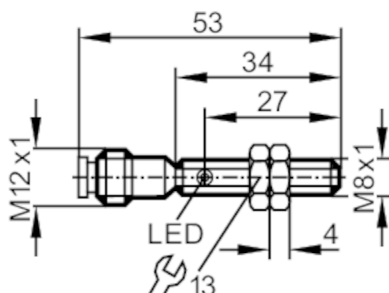


IE5092



Inductive sensor

IEB3001-ANOG/US-100-DNS



Electrical data

Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
Current consumption	[mA]	15; (24 V)
Reverse polarity protection		no

Outputs

Electrical design		NPN
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]	750
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	1
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

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	5515
UL approval	Ta	-25...80 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

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Mechanical data

Weight	[g]	22.6
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 53
Thread designation		M8 x 1
Materials		brass white bronze coated; PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Accessories (supplied)	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12



Connection

