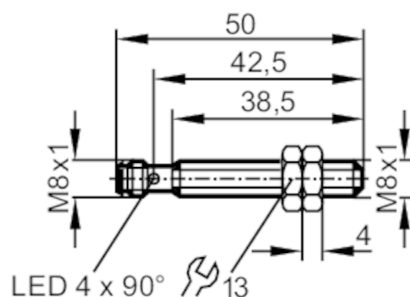


IE5328



Inductive sensor

IEB3002BBPKG/AS-514-TPS/RT



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.6
Permanent current rating of switching output DC	[mA]	250
Short-time current rating of switching output	[mA]	250
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	2
Operating distance	[mm]	0...1.6
Increased sensing range		yes

Accuracy / deviations

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

Operating conditions

Ambient temperature	[°C]	0...70
Protection		IP 65; (with ifm socket duly screwed on; "Coolant": IP67)

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Tests / approvals

EMC		EN 60947-5-2	
MTTF	[years]		2359
UL approval		Ta	0...70 °C
		Enclosure type	Type 1
		voltage supply	Class 2
		File number UL	E174191

Mechanical data

Weight	[g]	21.4
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation		M8 x 1
Materials		brass white bronze coated; LCP

Displays / operating elements

Display	switching status	1 x LED, red
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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 M8



Connection

