

Inductive sensor

IEB30,2-BPKG/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]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	0.2; (for target made of mild steel)
Real sensing range Sr	[mm]	0.2

Accuracy / deviations

Hysteresis	[mm]	0.002...0.025
Switch point drift	[% of Sr]	> 0.04
Repeatability	[mm]	< 0.015

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67; (if screwed on)

IE5339



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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	3252	
UL approval	Ta	-25...80 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	File number UL	E174191

Mechanical data

Weight [g]	20.4
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M8 x 1 / L = 52
Thread designation	M8 x 1
Materials	brass white bronze coated; PBT

Displays / operating elements

Display	switching status	4 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



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Connection

