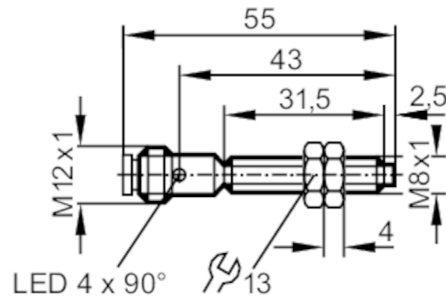


IE5295



Inductive sensor

IEB3002-BPKG/V4A/US-104-DPS/RT



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 55

Application

Special feature		Gold-plated contacts
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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]	2000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	2
Real sensing range S_r	[mm]	$2 \pm 10\%$
Operating distance	[mm]	0...1.6

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Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	1...15	
Switch point drift [% of Sr]	-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]	2751	

Mechanical data

Weight [g]	21.5	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M8 x 1 / L = 55	
Thread designation	M8 x 1	
Materials	stainless steel (1.4571/316Ti); sensing face: PBT	

Displays / operating elements

Display	switching status	4 x 90° 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 M12; Contacts: gold-plated



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Connection

