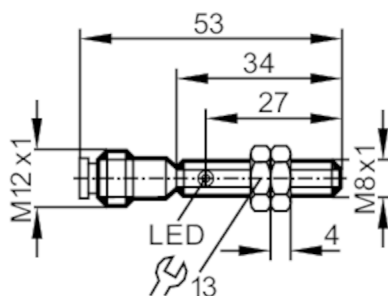


Inductive sensor

IEB3001-BPKG/US-100-DPS

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	1
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 53

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 9.5
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	1.8
Permanent current rating of switching output DC [mA]	150
Switching frequency DC [Hz]	5000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

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

IE5263



Inductive sensor

IEB3001-BPKG/US-100-DPS

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2
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Mechanical data

Housing	threaded type
Mounting	flush mountable
Dimensions	[mm] M8 x 1 / L = 53
Thread designation	M8 x 1
Materials	brass chromium-plated; PA

Displays / operating elements

Display	switching status	1 x LED, red
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Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

