

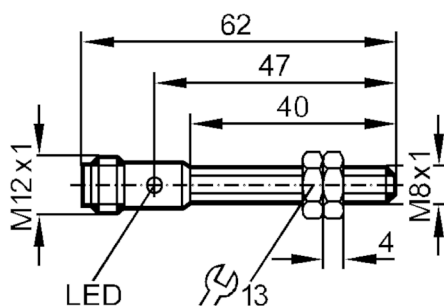
Inductive sensor

IEA3001-BPKG/US-100-DPS

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Alternative articles: IE5219

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

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

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
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]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed



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Overload protection	yes
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Detection zone

Sensing range	[mm]	1
Real sensing range Sr	[mm]	1 ± 10 %
Operating distance	[mm]	0...0.8

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.5 / copper: 0.4	
Hysteresis	[% of Sr]	3...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	
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Mechanical data

Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1
Thread designation		M8 x 1
Materials		brass nickel-plated; LCP

Displays / operating elements

Display	switching status	1 x LED, yellow
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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





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Connection

