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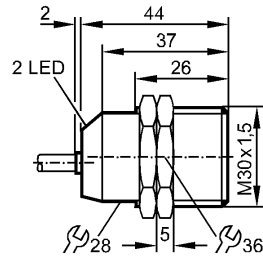
efector100

I15844



IIB2012BAROG/SC/2LED/0.3m/US

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Cable with connector

Increased sensing range

Optical setting aid (2 LED)

Sensing range 12 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Protection class

II

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 5

Minimum load current [mA]

5

Leakage current [mA]

< 1

Current rating [mA]

100

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

100

Monitoring range

Sensing range [mm]

12

Operating distance [mm]

0...9.7

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

3...15

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data


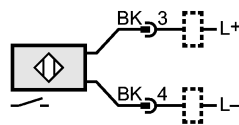
Mounting

flush mountable

Housing materials

brass; active face: PBT; end cap: polycarbonate; fully PTFE-coated

II5844 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Weight	[kg]	0.17
Displays / operating elements		
Output status indication	LED	red
Setting aid	LED	green
Electrical connection		
Connection		PVC cable / 0.3 m; 2 x 0.5 mm ² ; with M12 connector
Wiring		
Core colors		
BK black		
Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1

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