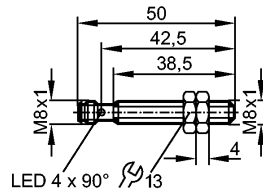




IEB3002BAPKG/AS

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M8 x 1

Quick disconnect

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC; to PELV; cULus - Class 2 source required

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally closed

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1300

Monitoring range

Sensing range [mm]

2

Operating distance [mm]

0...1.62

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]

1...20

Environment

Ambient temperature [°C]

-25...70

Protection

IP 65 / IP 67; with ifm socket duly screwed on

Tests / approvals

EMC

EN 55011:	class B
EN 60947-5-2	
EN 61000-4-2 ESD:	4 kV CD / 8 kV AD
EN 61000-4-3 HF radiated:	10 V/m
EN 61000-4-4 Burst:	2 kV
EN 61000-4-5 Surge:	0.5 kV (line to line, Ri: 20hm)
EN 61000-4-6 HF conducted:	10 V

MTTF [Years]

2359

Mechanical data

Mounting

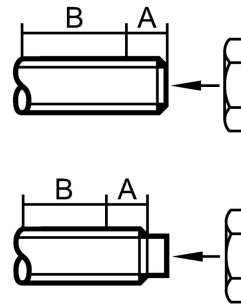
flush mountable

Housing materials

brass special coating; cover: LCP orange; lock nuts: brass

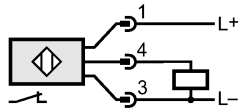
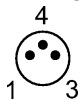
IE5319 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Installation



Tightening torque	[Nm]	≤ 1 (A = 5 mm) ≤ 2 (B)
Weight	[kg]	0.021
Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
Electrical connection		
Connection		M8 connector

Wiring



Accessories

Accessories (included)		2 lock nuts
------------------------	--	-------------

Remarks

Pack quantity	[piece]	1
---------------	---------	---