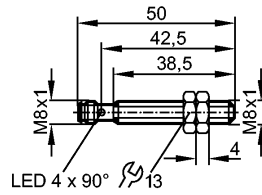


IE5287

IEB3002BBPKG/AS

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M8 x 1
Quick disconnect
Increased sensing range
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 open
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...1.6

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

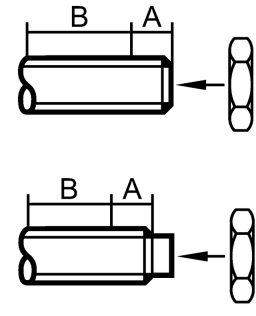
EMC	EN 55011: class B EN 60947-5-2 EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20hm) EN 61000-4-6 HF conducted: 10 V
MTTF [Years]	2359

Mechanical data

IE5287

IEB3002BBPKG/AS

Inductive sensors

Mounting	flush mountable	
Housing materials	brass special coating; cover: LCP orange; lock nuts: brass	
Installation		
Tightening torque	[Nm]	≤ 1 (A = 5 mm) ≤ 2 (B)
Weight	[kg]	0.018

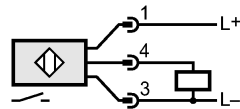
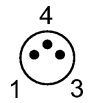
Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
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Electrical connection

Connection	M8 connector	
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Wiring



Accessories

Accessories (included)	2 lock nuts	
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Remarks

Pack quantity	[piece]	1
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