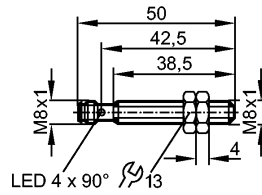


**IE5266**

IEB3001-BPKG/AS

Inductive sensors



**Product characteristics**

Inductive sensor
Metal thread M8 x 1
Quick disconnect
Sensing range 1 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]	2000

**Monitoring range**

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

**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
Switch-point drift [% of Sr]	-10...10

**Environment**

Ambient temperature [°C]	-25...80
Protection	IP 65 / IP 67; with ifm socket duly screwed on

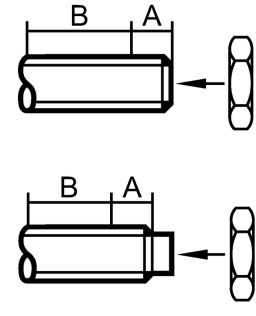
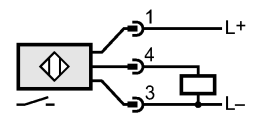
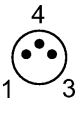
**Tests / approvals**

EMC	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 EN 55011: class B EN 60947-5-2
MTTF [Years]	2359

**IE5266**

IEB3001-BPKG/AS

**Inductive sensors**

Mechanical data	
Mounting	flush mountable
Housing materials	threaded sleeve: brass special coating; active face: LCP orange; lock nuts: brass
Installation	
Tightening torque	[Nm] 1.5 (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
<b>Wiring</b>	
	
Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity	[piece] 1