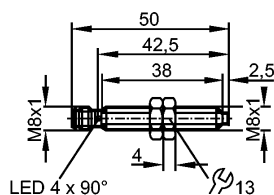


IE5292

IEB32.5-BPKG/V4A/AS

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M8 x 1
Connector
Sensing range 2.5 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC; to PELV; "supply class 2" to cULus.
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	pulsed
Overload protection	yes
Switching frequency [Hz]	1200

Range

Sensing range [mm]	2.5
Real sensing range (Sr) [mm]	2.5 ± 10 %
Operating distance [mm]	0...2.02

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	0...80
Protection	IP 65 / IP 67; with ifm socket duly screwed on

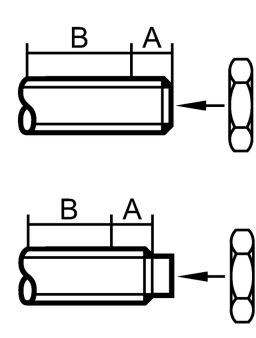
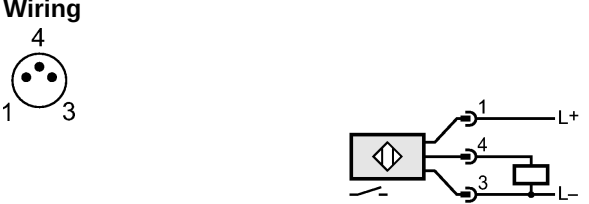
Tests / approvals

EMC	EN 55011 (Emission): 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]	2408

IE5292

IEB32.5-BPKG/V4A/AS

Inductive sensors

Mechanical data	
Mounting	non-flush mountable
Housing materials	stainless steel 316L / 1.4404; cover: LCP orange; lock nuts: stainless steel
Installation	
Tightening torque	[Nm] ≤ 2 (A = 5 mm) ≤ 6 (B)
Weight	[kg] 0.02
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