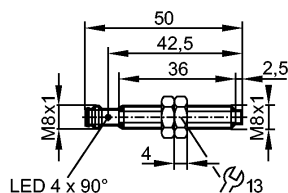


IE5329

IEB3004-BPKG/AS

Inductive sensors


Product characteristics

Inductive sensor

Metal thread M8 x 1

Quick disconnect

Sensing range 4 mm; [nf] non-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]	800

Monitoring range

Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

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...70
Protection	IP 65 / IP 67; with ifm socket duly screwed on

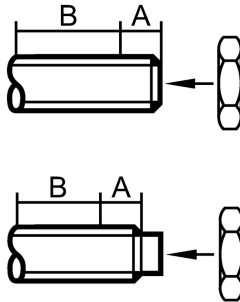

Tests / approvals

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]	2408

IE5329

IEB3004-BPKG/AS

Inductive sensors

Mechanical data		
Mounting	non-flush mountable	
Housing materials	brass special coating; cover: LCP orange; lock nuts: brass	
Installation	<div></div>	
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 <div></div>		
Accessories		
Accessories (included)	2 lock nuts	
Remarks		
Pack quantity	[piece]	1