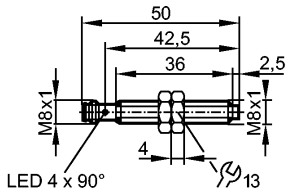
IE5329

IEB3004-BPKG/AS

Inductive sensors



Made in Germany

Product characteristics		
Inductive sensor		
Metal thread M8 x 1		
Connector		
Sensing range 4 mm; [nf] non-flush mountable		
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC (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]	800
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 / Al approx. 0.4 / Cu 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 (80...2000 MHz) / 0 EN 61000-4-4 Burst: 2 kV / 0 EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 2Ohm) / 0 EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) / 0
MTTF	[Years]	2408

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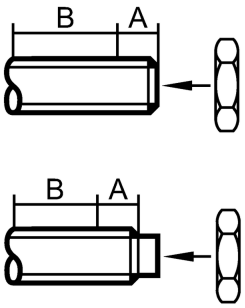
Mechanical data

Mounting		non-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]	0.021

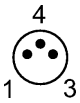
Displays / operating elements

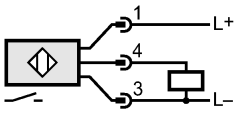
Output status indication	LED	yellow (4 x 90°)

Electrical connection

Connection	M8 connector

Wiring





Accessories

Accessories (included)	2 lock nuts

Remarks

Pack quantity	[piece]	1