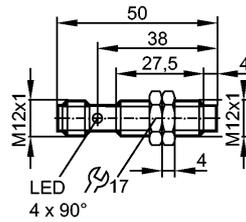


**IF5817**

IFB3004-BPKG/V4A/US-104-DPS RT

Inductive sensors



**Product characteristics**

Inductive sensor	
Metal thread M12 x 1	
Quick disconnect	
Sensing range 4 mm; [nf] non-flush mountable	

**Electrical data**

Electrical design		DC PNP
Operating voltage [V]		10...36 DC
Current consumption [mA]		< 15
Protection class		III
Reverse polarity protection		yes

**Outputs**

Output function		normally open
Voltage drop [V]		< 2.5
Current rating [mA]		250
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency [Hz]		1400

**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...15
Switch-point drift [% of Sr]		-10...10

**Environment**

Ambient temperature [°C]		-25...80
Protection		IP 65

**Tests / approvals**

EMC		EN 60947-5-2
MTTF [Years]		2560

**Mechanical data**

Mounting		non-flush mountable
Housing materials		stainless steel 316L / 1.4404; active face: PC (polycarbonate)
Weight [kg]		0.026

**Displays / operating elements**

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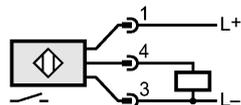
**Inductive sensors**

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

Connection	M12 connector; gold-plated contacts
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**Wiring**



**Accessories**

Accessories (included)	2 lock nuts
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**Remarks**

Pack quantity	[piece]	1
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