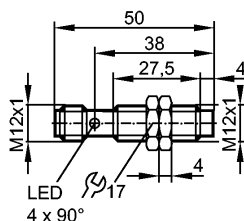


**IF5818**

IFB3004-APKG/V4A/US-104-DPO RT

Inductive sensors



Made in Germany

**Product characteristics**

Inductive sensor

Metal thread M12 x 1

Connector

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 closed
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	1400

**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...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]	2466

**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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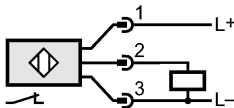
Inductive sensors

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

Connection	M12 connector
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Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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