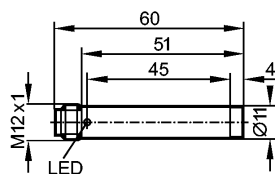


IF5807

IFG3004-BPKG/V4A/US-104-DPS

Inductive sensors



Made in Germany



Product characteristics

Inductive sensor	
Metal housing Ø 11 mm	
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 (24 V)
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open
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]		3...15
Switch-point drift [% of Sr]		-10...10

Environment

Ambient temperature [°C]		-25...80
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2 EN 55011:	class B
MTTF [Years]			1965

Mechanical data

Mounting		non-flush mountable
Housing materials		stainless steel 316Ti / 1.4571; PC (polycarbonate)
Weight [kg]		0.016

Displays / operating elements

IF5807

IFG3004-BPKG/V4A/US-104-DPS

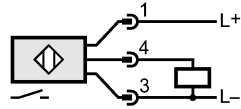
Inductive sensors

Output status indication	LED	yellow (4 x 90°)
--------------------------	-----	------------------

Electrical connection

Connection	M12 connector; Gold-plated contacts
------------	-------------------------------------

Wiring



Remarks

Pack quantity	[piece]	1
---------------	---------	---