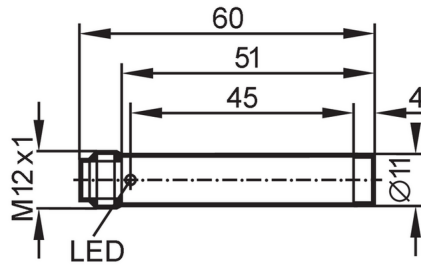


# IF5807



## Inductive sensor

IFG3004-BPKG/V4A/US-104-DPS



### Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	4
Housing		cylindrical
Dimensions	[mm]	Ø 11 / L = 60

### Application

Special feature		Gold-plated contacts
Application		Industrial applications / factory automation

### Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes

### Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	1400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

Sensing range	[mm]	4
Real sensing range $S_r$	[mm]	$4 \pm 10\%$
Operating distance	[mm]	0...3.25

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of $S_r$ ]	3...15
Switch point drift	[% of $S_r$ ]	-10...10

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## Inductive sensor

IFG3004-BPKG/V4A/US-104-DPS

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1971
Mechanical data		
Weight	[g]	15.4
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 11 / L = 60
Materials		stainless steel (316Ti/1.4571); PC
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Remarks		
Pack quantity		1 pcs.

### Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 4, gold-plated



### Connection

