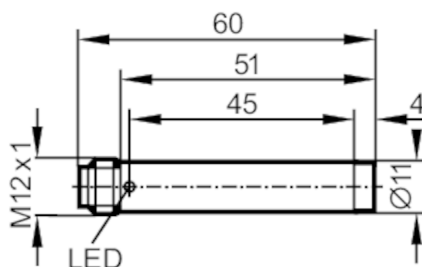




Inductive sensor

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

IF5807



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 (1.4571/316Ti); 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: gold-plated



Connection

