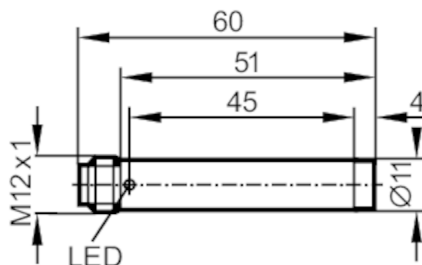


IF6035



Inductive sensor

IFG3005-BPKG/V4A/US



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	5
Housing	cylindrical
Dimensions [mm]	Ø 11 / L = 60

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15
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]	800
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	5
Real sensing range Sr [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

Accuracy / deviations

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

Operating conditions

Ambient temperature [°C]	-25...70
Protection	IP 67

IF6035



Inductive sensor

IFG3005-BPKG/V4A/US

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1971

Mechanical data

Weight	[g]	15.5
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
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Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

