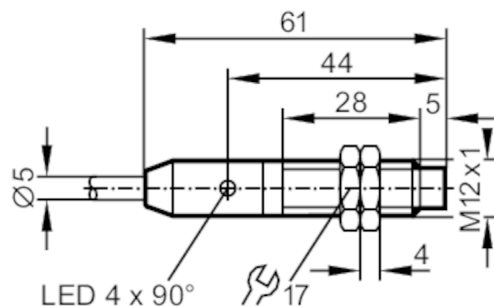




Inductive sensor

IFB3007-BPKG/M/V4A/10M/WH



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	10; (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]	100
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	7
Real sensing range Sr	[mm]	7 ± 10 %
Operating distance	[mm]	0...5.7
Increased sensing range		yes

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...20
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	0...100
Protection		IP 68; IP 69K; ("COP")

IFT209



Inductive sensor

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Tests / approvals

EMC	EN 61000-4-2 ESD		4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated		10 V/m
	EN 61000-4-4 Burst		2 kV
	EN 61000-4-6 HF conducted		10 V
	EN 55011		class B
MTTF	[years]	2006	
UL approval	Ta		0...40 °C
	Enclosure type		Type 1
	voltage supply		Limited Voltage/Current
	File number UL		E174191

Mechanical data

Weight	[g]	358
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 61
Thread designation		M12 x 1
Materials		stainless steel (1.4404 / 316L); sensing face: PEEK

Displays / operating elements

Display	switching status	4 x 90° LED, yellow
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Accessories

Accessories (supplied)	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 10 m, PVC; 3 x 0.34 mm²

Connection

