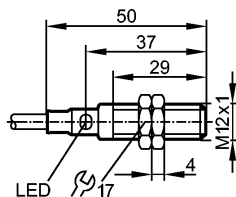


**IFT206**

IFB3004BBPKG/M/V4A/6M/WH

Inductive sensors



Made in Germany

**Product characteristics**

Inductive sensor

Metal thread M12 x 1

Cable

Increased sensing range

Sensing range 4 mm; [f] flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 10 (24 V)
Protection class	II
Reverse polarity protection	yes

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	800

**Range**

Sensing range [mm]	4
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]	1...20

**Environment**

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

**Tests / approvals**

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...1000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20hm) EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011: class B
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MTTF [Years]	1669
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**Mechanical data**

Mounting	flush mountable
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# IFT206

IFB3004BBPKG/M/V4A/6M/WH

**Inductive sensors**

Housing materials	stainless steel (316L); active face: PEEK (polyether ether ketone)
Weight [kg]	0.256

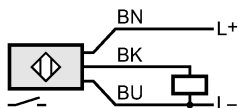
## Displays / operating elements

Output status indication	LED	yellow
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## Electrical connection

Connection	PVC cable / 6 m; 3 x 0.34 mm <sup>2</sup> ; Ø 4.9 mm
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## Wiring



## Accessories

Accessories (included)	2 lock nuts
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## Remarks

Pack quantity	[piece]	1
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