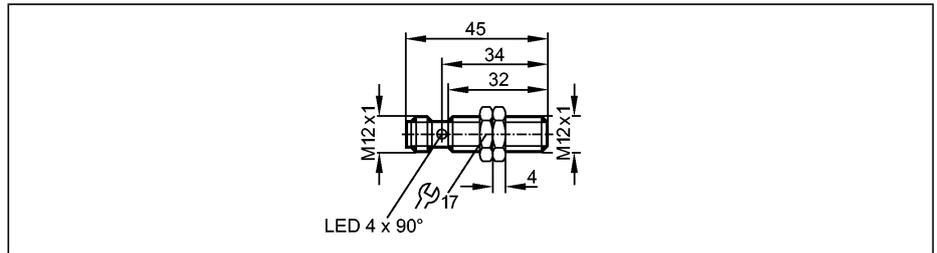


Inductive sensors

IFS204

IFB3004BBPKG/M/US
 Inductive sensor
 Metal thread M12 x 1
 Connector
 Increased sensing range
 gold-plated contacts

Sensing range 4 mm [f]
 flush mountable



Made in Germany



Electrical design

Output

Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Real sensing range (Sr)	[mm]
Operating distance	[mm]
Switch-point drift	[% of Sr]
Hysteresis	[% of Sr]
Switching frequency	[Hz]
Correction factors	

Ambient temperature	[°C]
Protection	
EMC	

MTTF	[Years]
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Housing materials	
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Function display	
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Switching status	LED
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Connection	
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Weight	[kg]
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Accessories (included)	
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DC PNP

normally open

Operating voltage	10...36 DC
Current rating	100
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	< 10 (24 V)
Real sensing range (Sr)	4 ± 10 %
Operating distance	0...3.25
Switch-point drift	-10...10
Hysteresis	3...15
Switching frequency	700
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

Ambient temperature	-25...70
Protection	IP 67, II

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 61000-4-6 HF conducted: 10 V (0.15...80 MHz)
	EN 55011: class B

MTTF	2017
Housing materials	brass white bronze coated; active face: PBT

Function display	yellow (4 x 90°)
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Connection	M12 connector; gold-plated contacts
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Weight	0.024
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Accessories (included)	2 lock nuts
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Wiring

