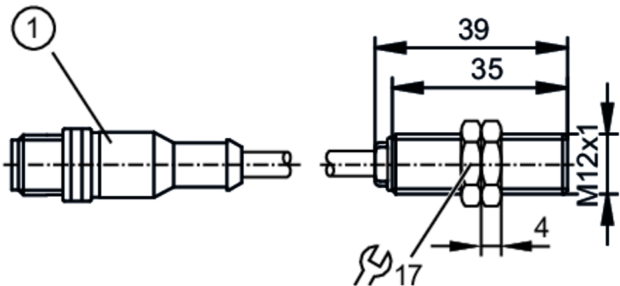




Inductive sensor

IFB3004BBPKG/0,8M/PH/US



1 illustration (example)



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	4
Housing		Threaded type
Dimensions	[mm]	M12 x 1 / L = 39
Application		
System		Increased sensing range
Application		Oils and coolants
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	10; (24 V)
Protection class		III
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]	700
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	4
Operating distance	[mm]	0...3.25
Increased sensing range		yes
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3

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Inductive sensor

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Hysteresis	[% of Sr]	1...20
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Operating conditions

Ambient temperature	[°C]	-25...70
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Protection	IP 68; ("Coolant")
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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 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B

MTTF	[years]	2388
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Mechanical data

Weight	[g]	59
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Housing	Threaded type
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Mounting	flush mountable
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Dimensions	[mm]	M12 x 1 / L = 39
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Thread designation	M12 x 1
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Material	brass white bronze coated; sensing face: LCP; lock nuts: brass coated
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Displays / operating elements

Display	Switching status	1 x 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

Cable: 0.8 m, PUR; 3 x 0.34 mm²

Connector: 1 x M12; coding: A



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Connection

