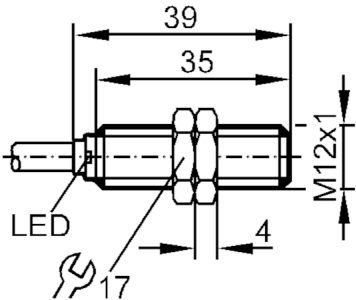




Inductive sensor

IFB3004BBPKG/0,8M/PH/US



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	4
Housing		threaded type
Dimensions	[mm]	M12 x 1
Application		
Special feature		Increased sensing range
Application		Use in machine tools, coolants and lubricants
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



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Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
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 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...20
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection	IP 68; ("Coolant")	
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
Mechanical data		
Weight	[g]	59
Housing	threaded type	
Mounting	flush mountable	
Dimensions	[mm]	M12 x 1
Thread designation	M12 x 1	
Materials	brass white bronze coated; sensing face: LCP; lock nuts: brass coated	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 0.8 m, PUR; 3 x 0.34 mm²		
Connector: 1 x M12; coding: A		
		

IFC262



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Connection

