

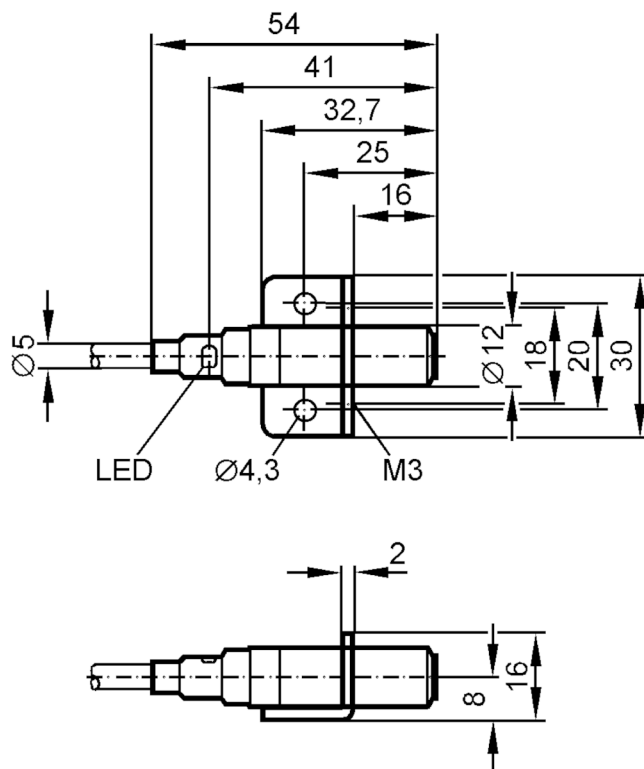
IFC251



Inductive sensor

IFG2004-BRKG/M/3,1M/ I/PH

Article no longer available - archive entry



Product characteristics

Electrical design		PNP/NPN
Output function		normally closed
Sensing range	[mm]	4
Housing		cylindrical
Dimensions	[mm]	Ø 12

Application

Application		Use in machine tools, coolants and lubricants
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Electrical data

Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes

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Inductive sensor

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Outputs		
Electrical design	PNP/NPN	
Output function	normally closed	
Max. voltage drop switching output DC [V]	2.5	
Minimum load current [mA]	2	
Max. leakage current [mA]	0.4	
Permanent current rating of switching output DC [mA]	100	
Switching frequency DC [Hz]	700	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Sensing range [mm]	4	
Operating distance [mm]	0...3.25	
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 61000-4-6 HF conducted	10 V
	EN 55011	class B
Mechanical data		
Housing	cylindrical	
Mounting	non-flush mountable	
Dimensions [mm]	Ø 12	
Materials	sensing face: LCP; housing: stainless steel; Angle brackets: stainless steel; LED window: PEI	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity	1 pcs.	

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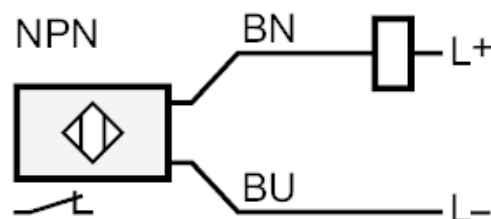
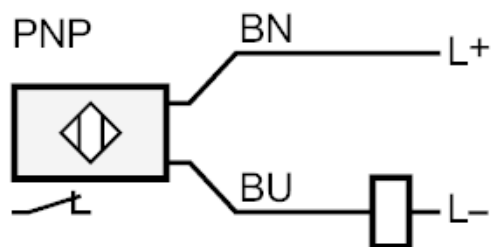
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Electrical connection

Cable: 3.1 m, PUR / PVC; 2 x 0.34 mm²

Connection



Core colours :

BN = brown
BU = blue