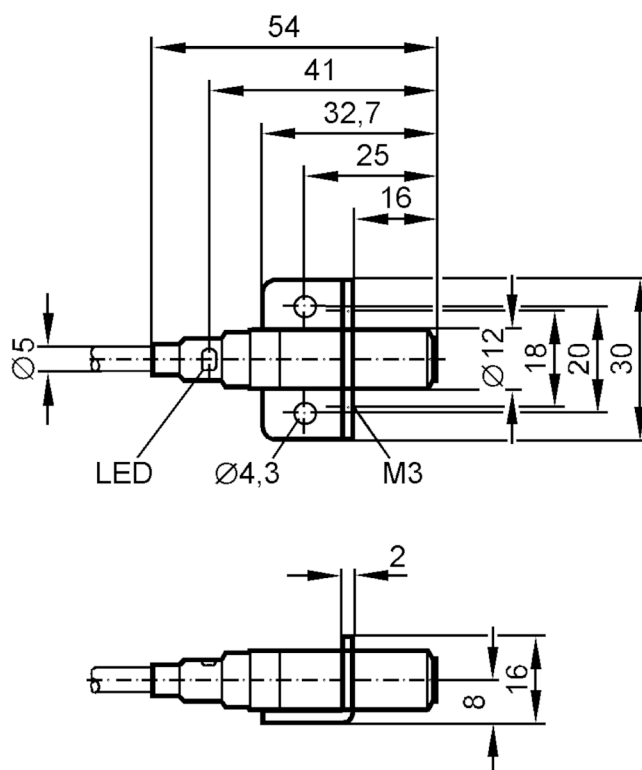


Inductive sensor

IFG3004-BNKG/M/5V/1,37M/PH/

Article no longer available - archive entry



Product characteristics

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

Application

Application	Use in machine tools, coolants and lubricants
-------------	---

Electrical data

Operating voltage tolerance [%]	10
Operating voltage [V]	5 DC
Current consumption [mA]	< 15
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	0.4



Inductive sensor

IFG3004-BNKG/M/5V/1,37M/PH/

Max. leakage current	[mA]	0.1
Permanent current rating of switching output DC	[mA]	10
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.	
---------------	--------	--

IFC233



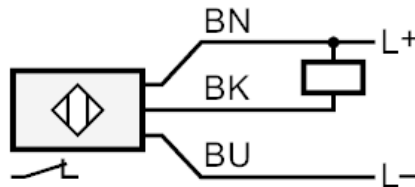
Inductive sensor

IFG3004-BNKG/M/5V/1,37M/PH/

Electrical connection

Cable: 1.37 m, PVC; highly flexible; 3 x 0.34 mm²

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue