



Inductive sensor

IFG2004-BRKG/M/0,60M/ /PH

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Product characteristics		
Electrical design		PNP/NPN
Output function		normally closed
Sensing range	[mm]	4
Housing		tubular
Dimensions	[mm]	Ø 12
Application		
Application		Oils and coolants
Electrical data		
Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes
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

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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

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 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

Mechanical data

Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 12
Material		sensing face: LCP; housing: stainless steel; Angle brackets: stainless steel; LED window: PEI

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 0.6 m, PUR / PVC; 2 x 0.34 mm²

Connection



BN =
BU =

Core colors :
brown
blue