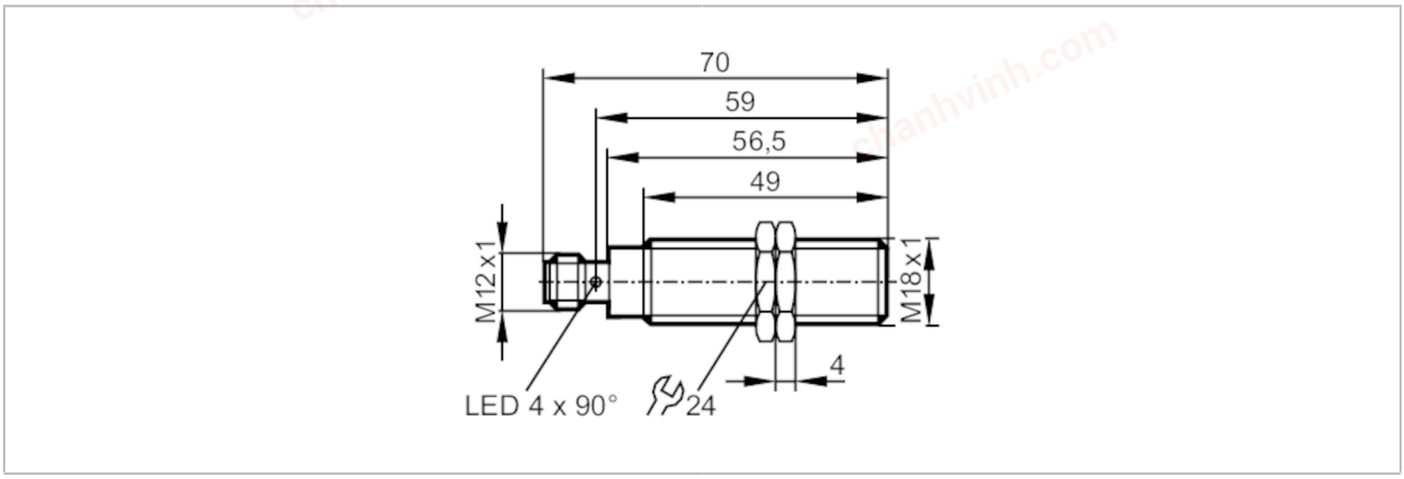
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IGC222

Inductive sensor

IGK2008BFRKG/M/2LED/US-104-IRF



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 70
Application		
Special feature		Gold-plated contacts; Increased sensing range; Optical setting aid
Application		Use in machine tools, coolants and lubricants
Electrical data		
Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	1
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	8
Operating distance	[mm]	0...6.48

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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
Switch point drift	[% of Sr]		-10...10
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
MTTF	[years]		1424
Mechanical data			
Weight	[g]		54
Housing			threaded type
Mounting			flush mountable
Dimensions	[mm]		M18 x 1 / L = 70
Thread designation			M18 x 1
Materials			housing: brass white bronze coated; sensing face: LCP uncoloured
Displays / operating elements			
Display		switching status	4 x 90° LED, yellow
		setting aid	1 x LED, red
Optical setting aid			yes
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.

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Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated

