

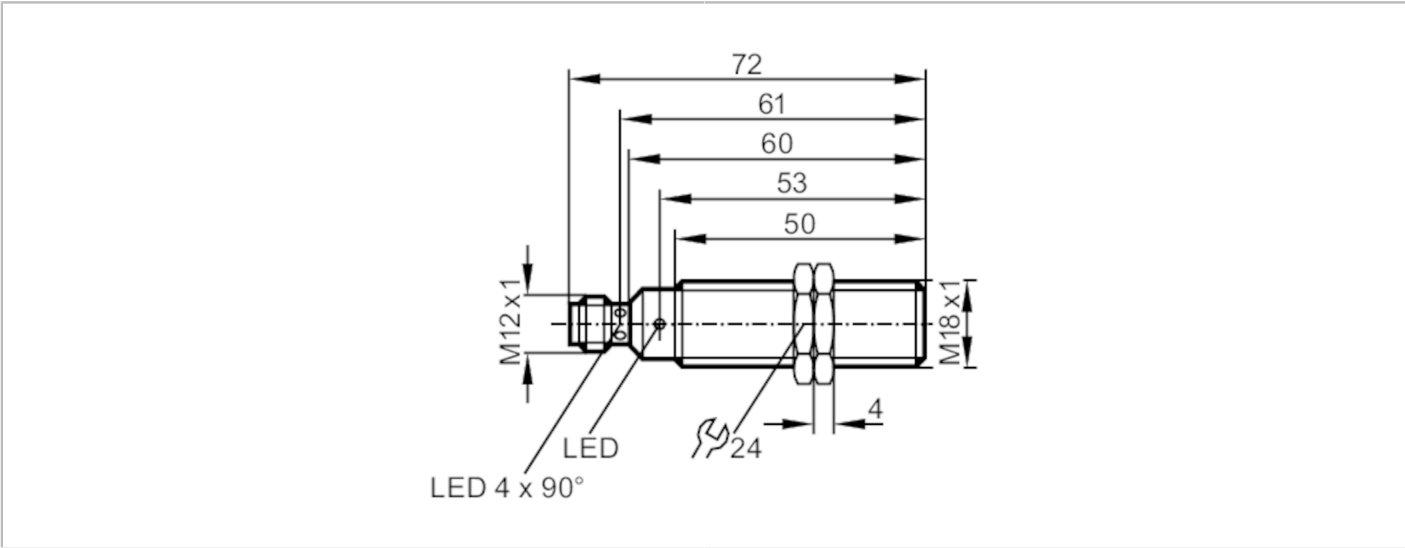


Inductive sensor

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

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Alternative articles: IG5953
When selecting an alternative article and accessories please note that technical data may differ!



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 = 72
Application		
Special feature		Increased sensing range; Optical setting aid
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]	250
Short-circuit protection		yes
Type of short-circuit protection		pulsed

IG6006



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Overload protection	yes	
Detection zone		
Sensing range	[mm]	8
Operating distance	[mm]	0...6.48
Increased sensing range	yes	
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.45 / aluminium: 0.4 / copper: 0.33	
Hysteresis	[% of Sr]	3...20
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing	threaded type	
Mounting	flush mountable	
Dimensions	[mm]	M18 x 1 / L = 72
Thread designation	M18 x 1	
Materials	brass white bronze coated; sensing face: PBT; LED window: PA	
Displays / operating elements		
Display	switching status	4 x 90° LED, red
	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

