

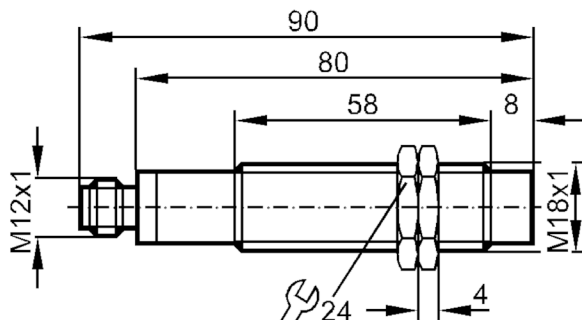


Inductive sensor

IGA2008-FRKG/V4A/US-100-IRF X

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Alternative articles: IG5772
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
Electrical data	
Operating voltage [V]	10...55 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]	0.8
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	300
Short-circuit protection	yes



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Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Sensing range [mm]	8
Real sensing range S_r [mm]	$8 \pm 10\%$
Operating distance [mm]	0...6.5
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of S_r]	3...15
Switch point drift [% of S_r]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011 class B
Mechanical data	
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M18 x 1
Thread designation	M18 x 1
Materials	stainless steel (316Ti/1.4571); PC
Accessories	
Items supplied	lock nuts: 2
Remarks	
Pack quantity	1 pcs.

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Electrical connection - plug

Connector: 1 x M12; coding: A

