

no longer available - archive entry Alternative article: IG5905

When selecting an alternative article and accessories please note that technical data may differ!

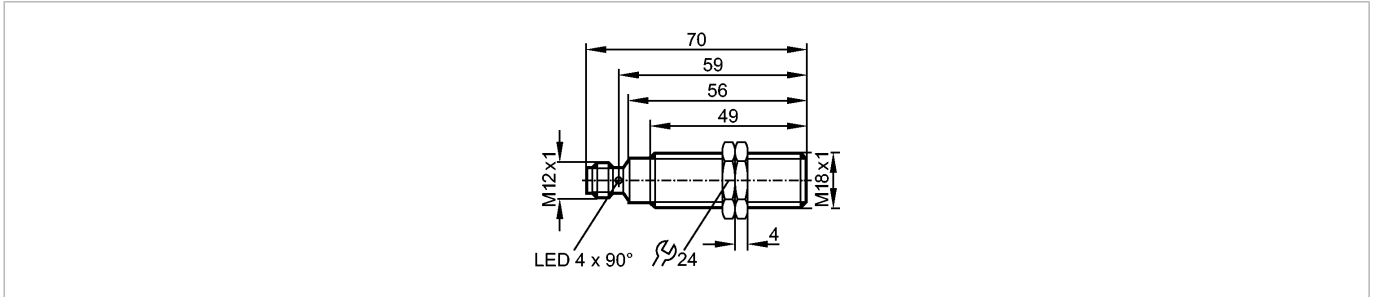
**efector100**

IG5951



IGK2008BFRKG/SC/2LED/US-104IRF

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M18 x 1
Quick disconnect
Increased sensing range
Optical setting aid (2 LED)
gold-plated contacts
Sensing range 8 mm; [f] flush mountable

Electrical data		DC PNP/NPN
Electrical design		DC PNP/NPN
Operating voltage [V]		10...36 DC; cULus - Class 2 source required
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open / closed programmable
Voltage drop [V]		< 4.6
Minimum load current [mA]		4
Leakage current [mA]		< 1
Current rating [mA]		100
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency [Hz]		400
Monitoring range		
Sensing range [mm]		8
Operating distance [mm]		0...6.48
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.45 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]		1...20
Environment		
Ambient temperature [°C]		-25...70
Protection		IP 67
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: 20hm) EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF [Years]		819

Mechanical data

# IG5951 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting		flush mountable
Housing materials		housing: brass safe-coated; active face: PBT safe-coated; lock nuts: brass coated
Weight	[kg]	0.09
Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
Setting aid	LED	red
Electrical connection		
Connection		M12 connector

## Wiring



Accessories		
Accessories (included)		2 lock nuts; 2 tooth lock washers
Remarks		
Pack quantity	[piece]	1

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — IG5951 — 05.09.2013  
 no longer available - archive entry Alternative article: IG5905

When selecting an alternative article and accessories please note that technical data may differ!