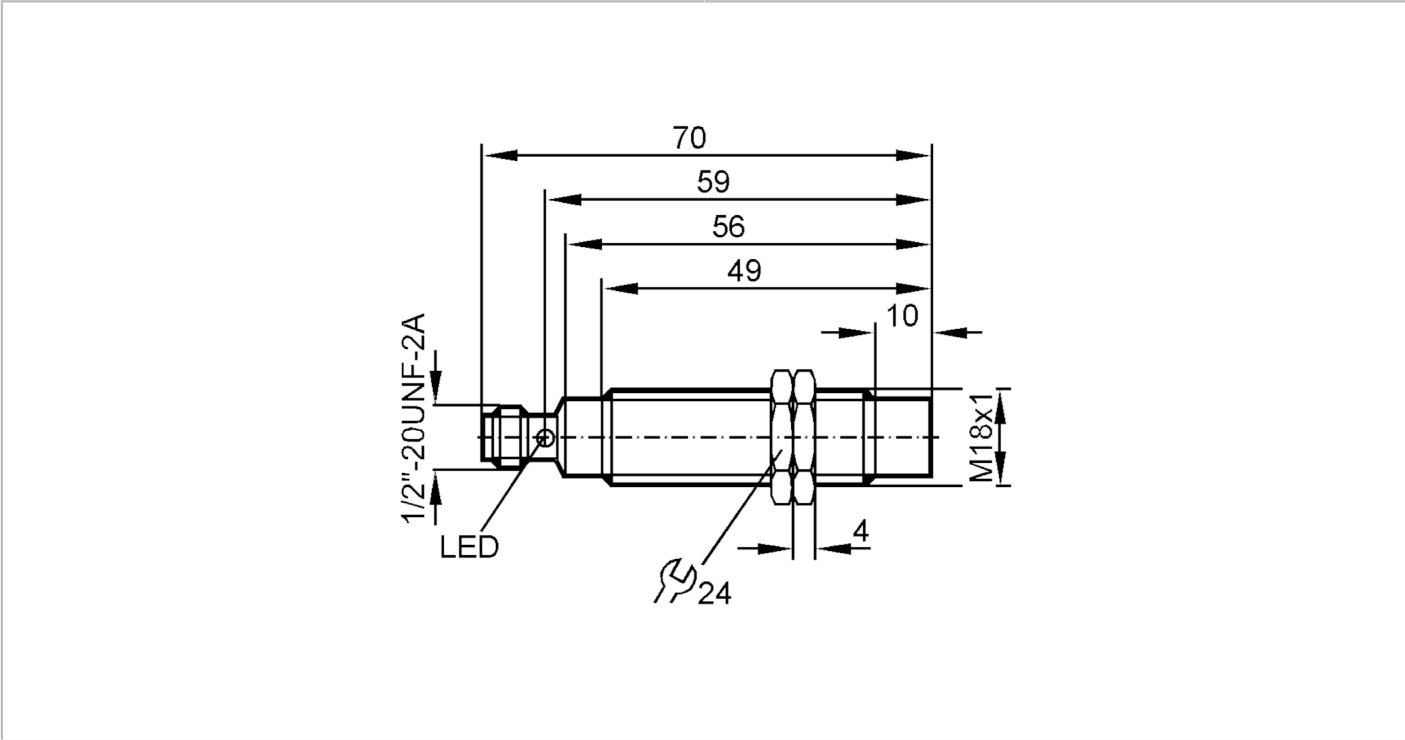




Inductive sensor

IGK2014-ARKA/M/SC/LS104AK

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Product characteristics		
Output function		normally open
Sensing range	[mm]	14
Housing		threaded type
Dimensions	[mm]	M18 x 1
Application		
Special feature		Gold-plated contacts; Increased sensing range
Electrical data		
Operating voltage	[V]	20...140 AC/DC
Protection class		II
Reverse polarity protection		yes
Max. power-on delay time	[ms]	1000
Outputs		
Output function		normally open
Max. voltage drop switching output DC	[V]	5.5
Max. voltage drop switching output AC	[V]	5.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1
Permanent current rating of switching output AC	[mA]	200



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Permanent current rating of switching output DC	[mA]	200
Short-time current rating of switching output	[mA]	1200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	14
Operating distance	[mm]	0...11.34
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
Operating conditions		
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	1 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Materials		housing: brass PTFE coated; sensing face: Duroplast; LED window: PA
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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Electrical connection - plug

Connector: 1 x 1/2"; coding: C; Contacts: gold-plated

