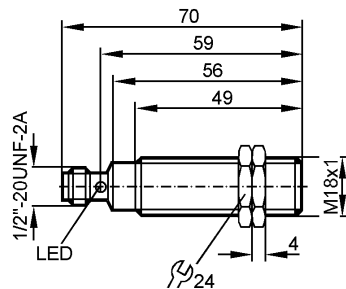


IGC001

IGK2008BARKA/M/LS-104AK

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M18 x 1
Quick disconnect
Increased sensing range
gold-plated contacts
Sensing range 8 mm; [f] flush mountable

Electrical data

Electrical design	AC/DC
Operating voltage [V]	20...140 AC/DC (47...63 Hz AC)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 5.5
Minimum load current [mA]	5
Leakage current [mA]	< 1

Current rating

- Current rating (continuous) [mA]	200
- Current rating (peak) [mA]	î: 1.2 A (20 ms / 0.5 Hz)
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	25 AC / 500 DC

Monitoring range

Sensing range [mm]	8
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.5

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

Reaction times

IGC001

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Inductive sensors

Power-on delay time	[s]	1
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Environment

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]	394
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Mechanical data

Mounting		flush mountable
Housing materials		housing: brass white bronze coated; active face: LCP
Weight	[kg]	0.062

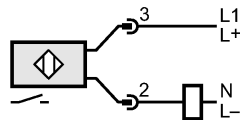
Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
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Electrical connection

Connection		1/2" connector; gold-plated contacts
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Wiring



Accessories

Accessories (included)		2 lock nuts
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Remarks

Pack quantity	[piece]	1
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