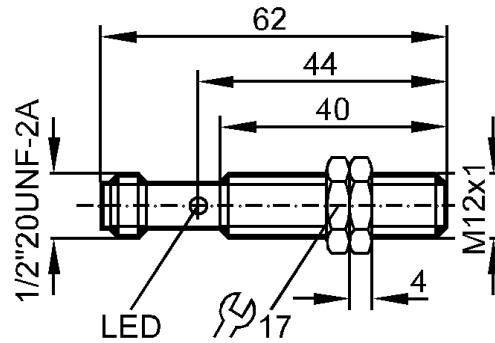


**IF0311**

IFK2004BAROA/SL/LS-100AK RT

Inductive sensors



Made in Germany

**Product characteristics**

Inductive sensor
Metal thread M12 x 1
Quick disconnect
Increased sensing range
Sensing range 4 mm; [f] flush mountable

**Electrical data**

Electrical design	AC/DC
Operating voltage [V]	20...140 AC / 10...140 DC (47...63 Hz AC)
Protection class	I
Reverse polarity protection	no

**Outputs**

Output function	normally open
Voltage drop [V]	< 5
Minimum load current [mA]	5
Leakage current [mA]	< 0.8
<b>Current rating</b>	
- Current rating (continuous) [mA]	200
- Current rating (peak) [mA]	î: 0.9 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 200 DC

**Monitoring range**

Sensing range [mm]	4
Operating distance [mm]	0...3.25

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	3...15

<b>Environment</b>	
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Ambient temperature [°C]	-25...70
Protection	IP 67

<b>Tests / approvals</b>	
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EMC	EN 60947-5-2	
	EN 55011:	class B
MTTF [Years]	1271	

<b>Mechanical data</b>	
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Mounting	flush mountable
Housing materials	brass white bronze coated; PBT
Weight [kg]	0.032

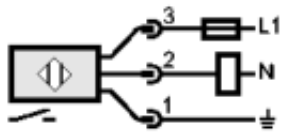
<b>Displays / operating elements</b>	
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Output status indication LED	red
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<b>Electrical connection</b>	
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Connection	1/2" connector
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**Wiring**



Note: miniature fuse to IEC60127-2 sheet 1,  
≤ 2 A (fast acting)

<b>Accessories</b>	
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Accessories (included)	2 lock nuts
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<b>Remarks</b>	
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Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1

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