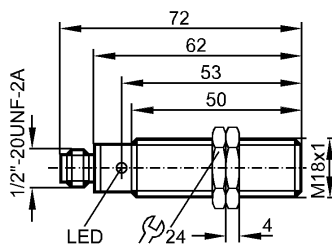


**IG0344**

IGK2008BABOA/SL/LS100-AK RT

Inductive sensors



**Product characteristics**

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

**Electrical data**

Electrical design	AC/DC
Operating voltage [V]	20...250 AC/DC
Protection class	I
Reverse polarity protection	no

**Outputs**

Output function	normally open
Voltage drop [V]	< 6.5 AC / < 6 DC
Minimum load current [mA]	5
Leakage current [mA]	< 1 (250 V AC) / < 0.8 (140 V AC) / < 0.8 (24 V DC)

**Current rating**

- Current rating (continuous) [mA]	250 AC / 100 DC; 350 AC (...50 °C)
- Current rating (peak) [mA]	î: 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 60 DC

**Monitoring range**

Sensing range [mm]	8
Operating distance [mm]	0...6.5

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.45 / aluminium approx. 0.4 / copper approx. 0.33
Hysteresis [% of Sr]	3...15

**Environment**

Ambient temperature [°C]	-25...70
Protection	IP 67

**Tests / approvals**

**IG0344**

IGK2008BABOA/SL/LS100-AK RT

**Inductive sensors**

EMC		EN 60947-5-2
MTTF	[Years]	612

**Mechanical data**

Mounting		flush mountable
Housing materials		brass white bronze coated; PA; PBT
Weight	[kg]	0.068

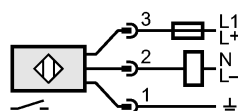
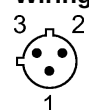
**Displays / operating elements**

Output status indication	LED	red
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**Electrical connection**

Connection		1/2" connector
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**Wiring**



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

**Accessories**

Accessories (included)		2 lock nuts
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**Remarks**

Remarks		Recommendation: check the unit for reliable function after a short circuit.
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Pack quantity	[piece]	1
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