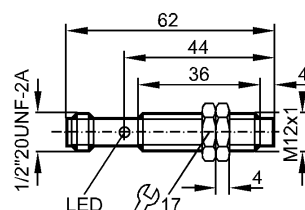


IF0312

IFK2007-AROA/SL/LS-100AK RT

Inductive sensors


Product characteristics

Inductive sensor
Metal thread M12 x 1
Quick disconnect
Increased sensing range
Sensing range 7 mm; [nf] non-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

Current rating	
- Current rating (continuous) [mA]	200
- Current rating (peak) [mA]	\hat{I} : 0.9 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 90 DC

Monitoring range

Sensing range [mm]	7
Operating distance [mm]	0...5.7

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

Environment

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

Tests / approvals

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	1684

Mechanical data

Mounting	non-flush mountable
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IF0312

IFK2007-AROA/SL/LS-100AK RT

Inductive sensors

Housing materials	brass white bronze coated; PBT
Weight [kg]	0.032

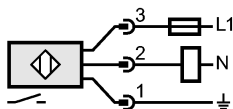
Displays / operating elements

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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