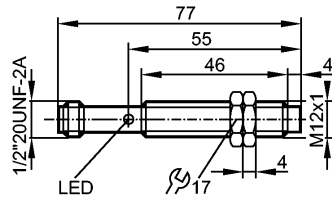


IF0301

IFA2004-ABOW/SL/LS-100AK RT

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M12 x 1
Quick disconnect
Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design	AC
Operating voltage [V]	20...250 AC (47...63 Hz)
Protection class	I
Reverse polarity protection	no

Outputs

Output function	normally open
Voltage drop [V]	< 8.5
Minimum load current [mA]	8
Leakage current [mA]	< 2

Current rating

- Current rating (continuous) [mA]	200; 250 (...50 °C)
- Current rating (peak) [mA]	î: 0.9 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25

Monitoring range

Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

Accuracy / deviations

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

Environment

Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	932

Mechanical data

IF0301

IFA2004-ABOW/SL/LS-100AK RT

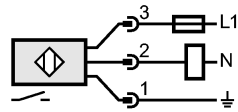
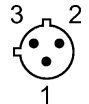
Inductive sensors

Mounting	non-flush mountable
Housing materials	brass white bronze coated; PC (polycarbonate)
Weight [kg]	0.035

Displays / operating elements	
Output status indication	LED
	red

Electrical connection	
Connection	1/2" connector

Wiring



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

Accessories	
Accessories (included)	2 lock nuts

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