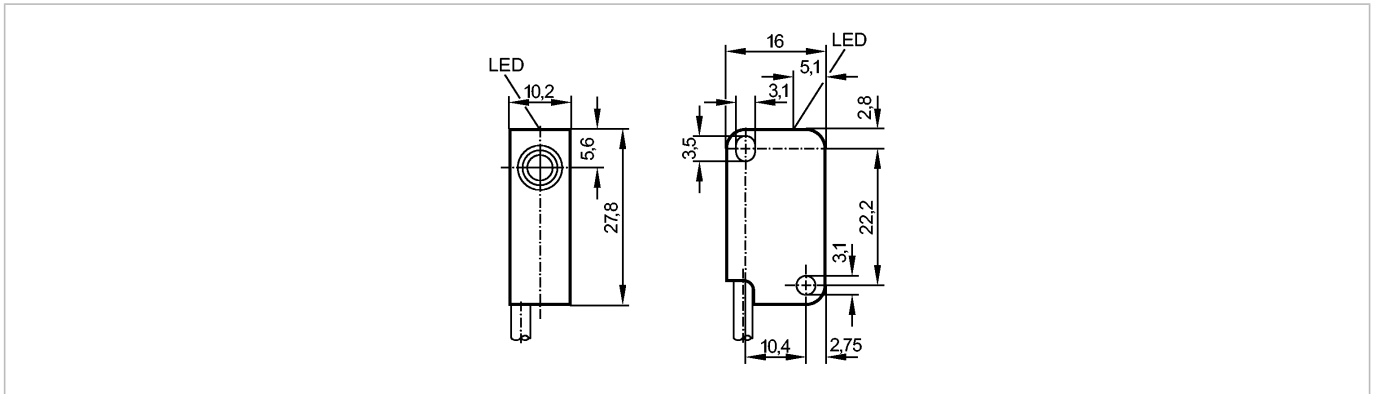


IS0003

IS-2002-AROA RT

Inductive sensors



Made in Germany

Product characteristics	
Inductive sensor	
Rectangular, plastics	
Cable	
Sensing range 2 mm; [f] flush mountable	
Electrical data	
Electrical design	AC/DC
Operating voltage [V]	20...140 AC / 10...140 DC (47...63 Hz AC)
Reverse polarity protection	no
Outputs	
Output function	normally open
Voltage drop [V]	< 7
Minimum load current [mA]	5
Leakage current [mA]	< 0.8
Current rating	
- 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
Monitoring range	
Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Operating distance [mm]	0...1.6
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]	1...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

IS0003

IS-2002-AROA RT

Inductive sensors

MTTF	[Years]	2006
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Mechanical data

Mounting	flush mountable	
Housing materials	PBT	
Tightening torque	[Nm]	≤ 0.5 (with washer)
Weight	[kg]	0.046

Displays / operating elements

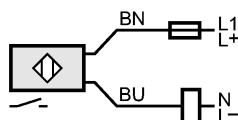
Output status indication	LED	red
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Electrical connection

Connection	PUR cable / 2 m; 2 x 0.14 mm ²	
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Wiring

Core colors
 BN brown
 BU blue



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

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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