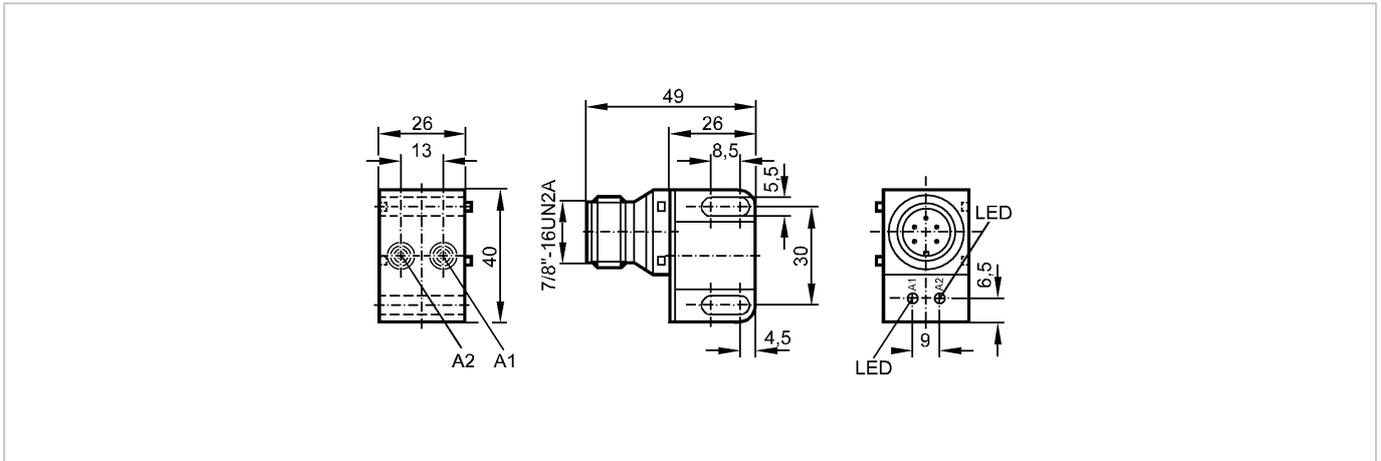


IN0117

IND2004DAROA/SL/LS-500 RT

Valve sensors



Product characteristics

Inductive sensor
Rectangular, plastics
Quick disconnect
Sensing range 4 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	2 x 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]	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. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

Environment

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

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IND2004DAROA/SL/LS-500 RT

Valve sensors

Tests / approvals

EMC	EN 60947-5-2 EN 55011:	class B
MTTF [Years]		502

Mechanical data

Mounting	non-flush mountable
Housing materials	stainless steel (303S22); PBT
Weight [kg]	0.079

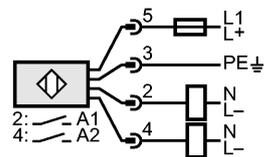
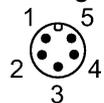
Displays / operating elements

Output status indication	LED	2 x red
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Electrical connection

Connection	7/8" connector
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Wiring



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 2 A (fast acting)
 Place the fuse outside the hazardous area.

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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