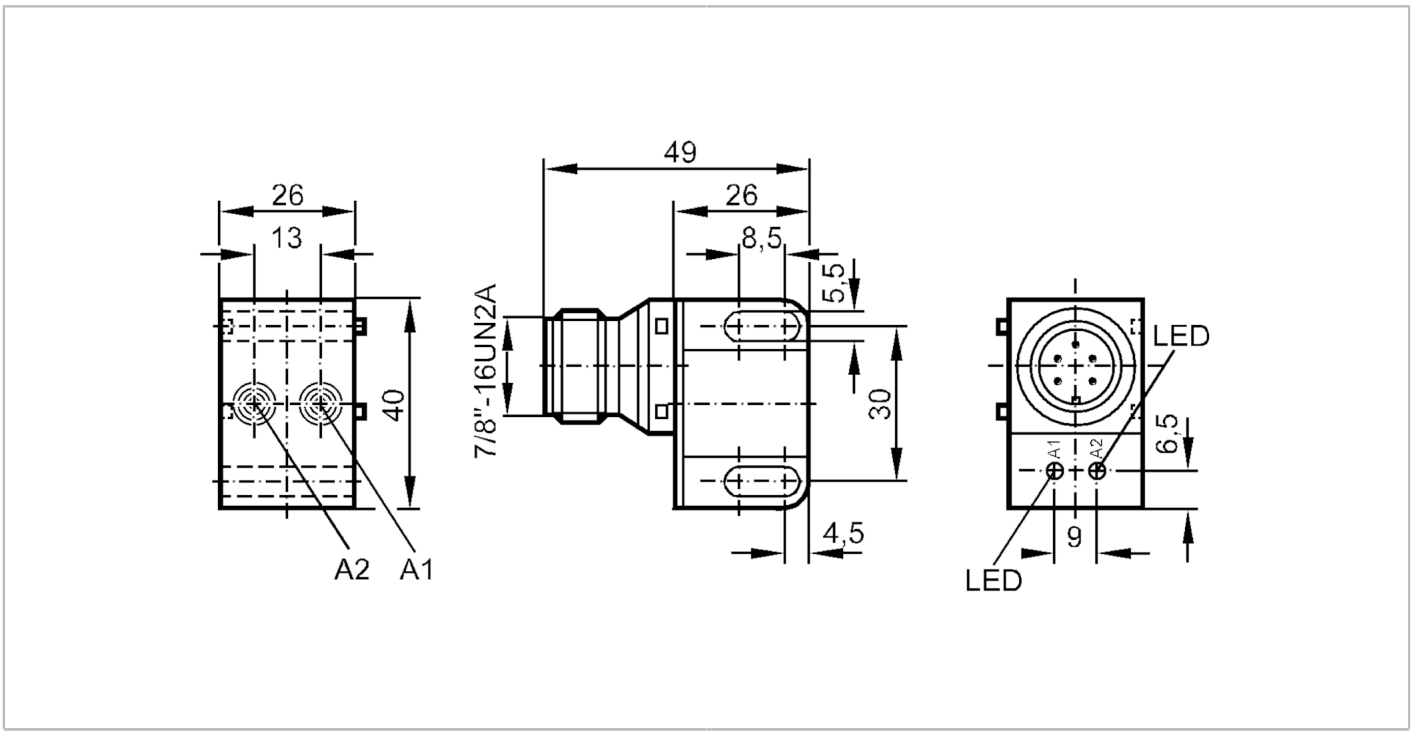
# IN0117

## Dual inductive sensor for valve actuators

IND2004DAROA/SL/LS-500 RT




| | | |
|---|---|---|
| **Product characteristics** | | |
| Output function | | 2 x normally open |
| Sensing range | [mm] | 4 |
| Housing | | rectangular |
| Dimensions | [mm] | 40 x 26 x 26 |
| **Application** | | |
| Application | | position sensor for valve actuators |
| **Electrical data** | | |
| Frequency AC | [Hz] | 47...63 |
| Operating voltage | [V] | 20...140 AC / 10...140 DC |
| Protection class | | I |
| Reverse polarity protection | | no |
| **Outputs** | | |
| Output function | | 2 x normally open |
| Max. voltage drop switching output DC | [V] | 5 |
| Max. voltage drop switching output AC | [V] | 5 |
| Minimum load current | [mA] | 5 |
| Max. leakage current | [mA] | 0.8 |
| Permanent current rating of switching output AC | [mA] | 200 |
| Permanent current rating of switching output DC | [mA] | 200 |

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| | | | |
|---|---|---|---|
| Short-time current rating of switching output | [mA] | 900; (20 ms / 0,5 Hz) | |
| Switching frequency AC | [Hz] | 25 | |
| Switching frequency DC | [Hz] | 25 | |
| Short-circuit proof | | no | |
| Overload protection | | no | |
| **Detection zone** | | | |
| Sensing range | [mm] | 4 | |
| Real sensing range Sr | [mm] | 4 ± 10 % | |
| Operating distance | [mm] | 0...3.25 | |
| **Accuracy / deviations** | | | |
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 | |
| Hysteresis | [% of Sr] | 3...15 | |
| Switch point drift | [% of Sr] | -10...10 | |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...80 | |
| Protection | | IP 67 | |
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| | | EN 55011 | class B |
| MTTF | [years] | 502 | |
| **Mechanical data** | | | |
| Weight | [g] | 78.5 | |
| Housing | | rectangular | |
| Mounting | | non-flush mountable | |
| Dimensions | [mm] | 40 x 26 x 26 | |
| Materials | | stainless steel (303/1.4305); PBT | |
| **Displays / operating elements** | | | |
| Display | | switching status | 2 x LED, red |
| **Electrical connection** | | | |
| Required protection | | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting; Place the fuse outside the hazardous area. | |
| **Remarks** | | | |
| Remarks | | Recommendation: Check the safe functioning of the unit after a short circuit. | |
| Pack quantity | | 1 pcs. | |

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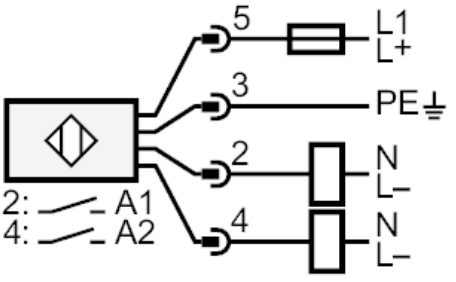
## Dual inductive sensor for valve actuators

**IND2004DAROA/SL/LS-500 RT**

### Electrical connection - plug

Connector: 1 x 7/8"; coding: A; Contacts: 5




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