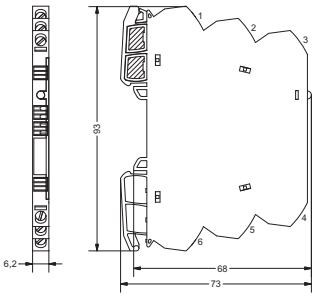
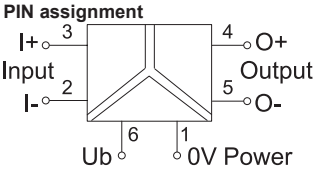
## Input: 4–20 mA
## Output: 0–10 V / 0–20 mA / 4–20 mA
## Insulation: 2.5 kV, 3-way isolation

**Dimensions**




**PIN assignment**




| Description | | Part-No. | | Type | PU |
|---|---|---|---|---|---|
| **Screw terminal** | | | | | |
| Output signal | 0 – 10 V | 750536.0000 | **R*** | LCIS-WAA-0536-62-S | 1 |
| | 0–20 mA | 750537.0000 | **R*** | LCIS-WAA-0537-62-S | 1 |
| | 4–20 mA | 750538.0000 | **R*** | LCIS-WAA-0538-62-S | 1 |
| **Push-In** | | | | | |
| Output signal | 0 – 10 V | 751536.0000 | **S*** | LCIS-WAA-1536-62-PI | 1 |
| | 0–20 mA | 751537.0000 | **S*** | LCIS-WAA-1537-62-PI | 1 |
| | 4–20 mA | 751538.0000 | **S*** | LCIS-WAA-1538-62-PI | 1 |

| | | | |
|---|---|---|---|
| **Input** | | | |
| Input signal | 4–20 mA | | |
| Galvanic isolation I/O | 3-way isolation | | |
| Zero /Span | Production comparison | | |
| **Output** | | | |
| Output signal | 0 – 10 V | 0–20 mA | 4–20 mA |
| Residual ripple | <20 $mV_{eff}$ | | |
| Max. load impedance at I-output | – | 500 Ω | |
| **Operating data** | | | |
| Accuracy | 0.1 % FSR @ 23 °C | | |
| Linearity error | 0.05 % FSR | | |
| Build-up time (Accuracy 1%) | 17 ms | | |
| Critical frequency | 30 Hz @ 3 dB | | |
| Temperature coefficient | <150 ppm / K FSR | | |
| **General** | | | |
| Rated voltage $U_N$ | AC/DC 24 V | | |
| Operation voltage range | AC 19.2–26.4 V / DC 18.0–31.2 V | | |
| Status indication | LED green | | |
| Input/output protection | Overvoltage, current input with PTC fuse, short circuit-proof output | | |
| Rise time (10 - 90%) | 6 ms | | |
| Insulation voltage input / output | 2.5 $kV_{eff}$ | | |
| Housing material | PA 6.6 (UL 94 V-0, NFF I2, F2) | | |
| Color of the housing | RAL 7012 basalt grey | | |
| Mounting | DIN rail mountable TS35 (EN 60715) | | |
| Protection class | IP20 | | |
| Installation position | any | | |
| Connection type | Screwed terminal single wire 0.25 $mm^2$–2.5 $mm^2$ / AWG 20–14 fine stranded wire with ferrule 0.25 $mm^2$–1.5 $mm^2$ / AWG 20–16 | Push-In single wire 0.25 $mm^2$–2.5 $mm^2$ / AWG 20–14 fine stranded wire with ferrule 0.25 $mm^2$–1.5 $mm^2$ / AWG 20–16 | |
| Operation temperature range | -25 °C … +60 °C | | |
| Storage temperature range | -40 °C … +80 °C | | |
| Dimensions (w × h × d) | 6.2 × 93.0 × 73.0 mm | | |
| Weight | 0.029 kg/piece | | |
| Approvals | cULus (E135145), DNV GL | | |
| Standards | EN 60947-5-1 | | |
| **Failure Rate Prediction (MTBF)** | | | |
| Standards | Electronic components – Reliability – Reference conditions for failure rates and stress models for conversion: EN/IEC 61709 Failure Rates of Components – Expected values: SN 29500 | | |
| Failure rate at +45 °C | 504 fit | | |
| Failure rate at +45 °C | 1983891 h | | |
| | 1 fit equals one failure per $10^9$ component hours | | |
| | The indicated temperature is the mean component ambient temperature. | | |
| Comments | The results are valid under following conditions: Automotive environment or industrial areas without extreme dust levels and harmful substances Continuous operation 8760 h per year | | |

* **S** Article from stock
**A** Available with a lead time
**R** Available on request