

Galvanic 4-20mA isolator

LSP-IA1



Brief description

The LSP-IA1 isolator is designed to make galvanic isolation between the transmitter and the processing unit (PLC). This isolator is a 3 way galvanic isolator, which means that the input, output and power supply are mutually isolated from each other. This instrument is suitable for any industrial application where 4-20mA analog signal is used, it reduces the impact of interference and ground potential differences. The module ensures 3500VDC isolation.

Features

- Three way isolated
- 3500VDC isolation
- TS-35 DIN rail mounting
- +/-0.1% accuracy
- Ip40 case
- Screw terminals
- Power LED

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Specification

Inputs

Input signal :	Direct current
Input range:	4-20mA
Input resistance:	500 Ohm
Over-Scale Limit:	27mA
Under-Scale Limit:	0 mA
Over current protection	

Outputs

Output signal :	4-20mA on current loop
Output range:	4-20mA
Output resistance:	>75 Ohm
Nonlinearity :	0.01% (max.)
Output accuracy:	0.1%
Over-Scale Limit:	27mA
Under-Scale Limit:	0 mA

Enclosure

Rating: IP40
Dimension: 113.5 (L) x 12.5 (D) x 99 (H)
Weight: approx. 50g
DIN rail mountable housing to TS-35 DIN
Screw terminals with maximum 2.5 mm² cable cross-section

Environment

Ambient temperature: -10 to +60 °C
Storage temperature: -30 to 80 °C
Humidity : 0 to 95% RH at 40 °C, no condensation

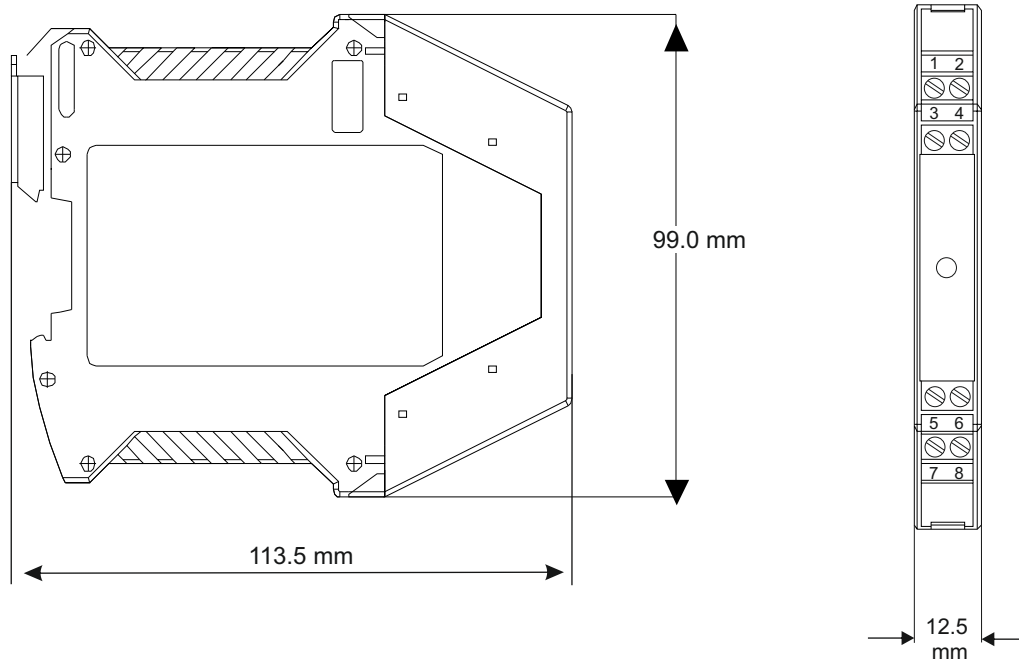
Power supply

Supply voltage 16 to 30 VDC
Power consumption < 100mW
Reverse-polarity protection
Over-Voltage surge protection 36V

Galvanic isolation

3500 VDC isolation between input, output and power supply

Dimensions



Connections

