CONV-UI

MEASUREMENT TRANSMITTER FOR DC VOLTAGE AND CURRENT SIGNALS

Measurement transmitter designed to convert any not-normalised DC voltage or current signal into a normalised signal while providing galvanic insulation.

Features
- Voltage or current input
- Galvanic isolation 2 kV RMS, 50 Hz during max. 60 s between input, output and power supply
- Selection of input and output ranges by jumpers behind the front plate
- Wide range of power supplies
- Rail DIN mounting
- Weight: 130 g
- Compliant with EMC EN 50082-2

Application(s)
SENSE's CONV-UI is perfectly designed for the following applications:
- Galvanic isolation of measurement signals,
- Multiplication of measurement signals from a single source.

Function(s)
- Universal
- User-friendly configuration
- Reduced size

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>CONV-UI</th>
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</thead>
<tbody>
<tr>
<td>Type</td>
<td>Signal converter</td>
</tr>
<tr>
<td>Input range</td>
<td>±10 mVDC, ±100 mVDC, ±1 VDC, ±10 VDC, ±100 VDC, ±500 VDC, ±5 mA, ± 50 mA</td>
</tr>
<tr>
<td>Accuracy</td>
<td>&lt;= ± 0.2 % % F.S.*</td>
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<tr>
<td>Bandwidth</td>
<td>0...1 Hz</td>
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<tr>
<td>Service temperature range</td>
<td>-10...+60 °C</td>
</tr>
<tr>
<td>Storage temperature range</td>
<td>-30...+80 °C</td>
</tr>
<tr>
<td>Power supply</td>
<td>20...270 VAC / 20...300 VDC</td>
</tr>
<tr>
<td>Output tension</td>
<td>0...10 V (load resistance &gt; 1 kohm) V</td>
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<tr>
<td>Output current</td>
<td>0...20 mA, 4...20 mA (load resistance &lt; 750 ohms) mA</td>
</tr>
<tr>
<td>IP rating</td>
<td>IP20</td>
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</tbody>
</table>

*F.S. : Full Scale.
Specifications subject to change without notice.

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TECHNICAL DRAWINGS: MEASUREMENT TRANSMITTER FOR DC VOLTAGE AND CURRENT SIGNALS

STANDARD DIMENSIONS

Dimensions in mm

Input
- U > 1V
- U ≤ 1V
- I ≤ 50 mA

Supply

Output