Configurable temperature transducer for Pt 100

Order key MINI MCR-SL-PT100-UI (Standard configuration entered as example)

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Connection method</th>
<th>Measuring range °C</th>
<th>Output</th>
<th>Failure information 1)</th>
<th>Factory calibration certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2864435</td>
<td>2-3 ...-2.5 2-3 ...-2.5</td>
<td>4-4 ...-2.5 4-4 ...-2.5</td>
<td>OUT01</td>
<td>A</td>
<td>NONE</td>
</tr>
<tr>
<td>2864436</td>
<td>2 ...-PT100-UI 2 ...-PT100-UI</td>
<td>0-100</td>
<td>OUT01</td>
<td>A</td>
<td>NONE</td>
</tr>
<tr>
<td>2864736</td>
<td>2 ...-PT100-UI-SP 2 ...-PT100-UI-SP</td>
<td>0-100</td>
<td>OUT01</td>
<td>A</td>
<td>NONE</td>
</tr>
</tbody>
</table>

1) For explanations see adjacent text on the right, for further details see data sheet: www.phoenixcontact.com

MINI MCR-SL-PT100-UI
Configurable temperature transducer for Pt 100 temperature sensors for measuring ranges of -150°C ... 850°C

Order configuration
Spring-cage conn.

Screw connection

MINI MCR-SL-PT100-UI-SP
MINI MCR-SL-PT100-UI-NC
MINI MCR-SL-PT100-UI-SP-NC

Order No.
2864435 / 3 / 0 / 100 / OUT01 / A / NONE
2864436 / 3 / 0 / 100 / OUT01 / A / NONE
2864736 / 3 / 0 / 100 / OUT01 / A / NONE

Technical data
Input data
Input signal (configurable via DIP switch)
Temperature range
Measuring range span
Output data
Output signal (configurable via DIP switch)
Maximum output signal
Load R0
Ripple
General data
Supply voltage UB
Current consumption
Power consumption
Transmission error for the full/set measurement range
Step response (10-90%)
Test voltage, input/output/supply
Ambient temperature (operation)
Housing material
Conformance / approvals
Conformity
ATEX
UL, USA / Canada
GL

MINI MCR-SL-PT100-UI
MINI MCR-SL-PT100-UI-SP
MINI MCR-SL-PT100-UI-NC
MINI MCR-SL-PT100-UI-SP-NC

MINI MCR-SL-PT100-UI
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MINI MCR-SL-PT100-UI-SP
MINI MCR-SL-PT100-UI-NC
MINI MCR-SL-PT100-UI-SP-NC

Order No.
2864435 / 3 / 0 / 100 / OUT01 / A / NONE
2864436 / 3 / 0 / 100 / OUT01 / A / NONE
2864736 / 3 / 0 / 100 / OUT01 / A / NONE

- Measuring ranges from -150°C to 850°C
- 2, 3 or 4-conductor Pt 100 sensors
- Configurable output signals
- 3-way isolation
- Diagnostics LED and fault evaluation
- Power supply possible through the foot element (T-Connector)

The MINI MCR-SL-PT100-UI temperature transducers convert the measured values of Pt 100 sensors (IEC 60751/EN 60751) into analog standard signals. These temperature transducers are optimized for measuring ranges of -150 to 850°C.

2, 3 and 4-conductor Pt 100 sensors can be connected to the input. The DIP switches are accessible at the side of the housing and allow the following parameters to be configured: Connection method, temperature span to be measured, output signal, and type of error evaluation.

The desired configuration must be specified when ordering pre-configured modules (refer to the order key). If specifications are incorrect or missing, the devices will be supplied with the standard configuration.

Accessories:
Information about components for energy bridging, system cabling and marking is given from page 347.

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