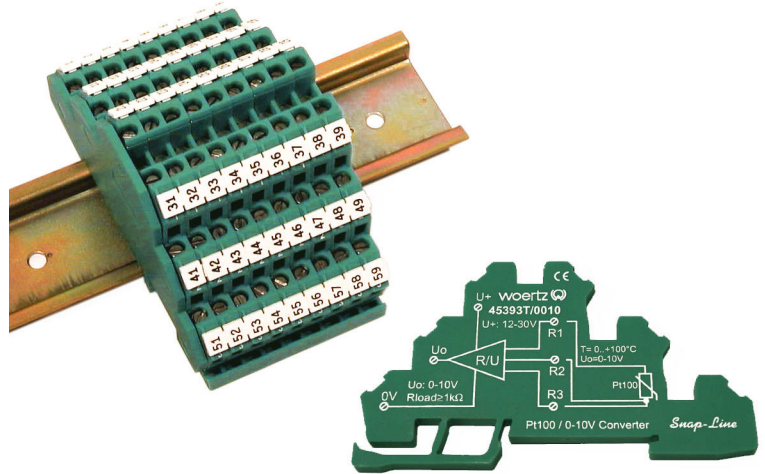


Woertz AG
 Hofackerstrasse 47
 Postfach 948
 CH-4132 Muttenz
 Tel 061/ 466 33 33
 Fax 061/ 466 33 31
 E-mail info@woertz.ch
 Internet www.woertz.ch

(2) 3-wire Pt100 / 0-10V temperature converter

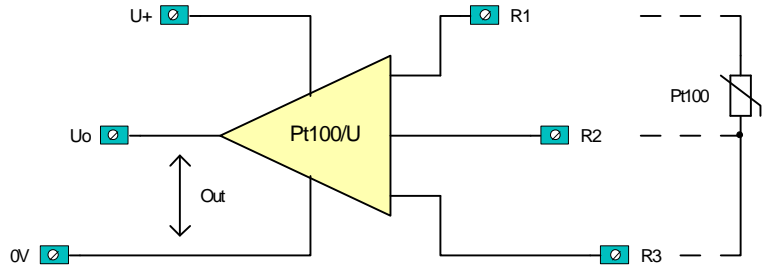
Features

- 5.08mm Snap-Line terminal with a Pt100 temperature sensor to 0-10V converter.
- With a low pass filter for suppression of 50-60 Hz and other noise.
- Low current through the sensor reduces self heating.
- Wide supply voltage range
- If a 2-wire sensor is used: connect R2 and R3 together.
- On request: other input temperature span, higher accuracy, other sensors (eg. Pt1000) or wider temperature range



Accessories

- 30407T End barrier
- 30403 Compatible 3-level terminal
- 30413RO Cross connection 20-pole red
- 30413BL Cross connection 20-pole blue
- 30790 Cross connection 10-pole grey
- 30409/x Cross connection with screws x = 2, 3, 4, 5, 10 poles
- 30411, 12 Isolation strip red, blue
- 80247, 48 Test plug red, black
- 30455/55xx Labels for custom use RB5x5



Technical data (Ta = 25°C)

Supply

Power supply range
 Power supply current (Pt100 connected)

12-30VDC
 max. 25mA (U+=24V)

Converter

Temperature ranges
 Output
 Sensor current
 Conversion error
 Min. output load
 Low pass filter cut frequency
 Output protection

see list below (other values on request)
 0-10VDC
 ca. 1mA
 <0.5% (50mV) (typically <0.2%)
 1kΩ
 ca. 12Hz
 ca. 12V

General data

Operating temperature range
 Wire cross section
 Maximum torque
 Size L x B x H (from rail)

0°C to +45°C
 2.5mm² (AWG24-14)
 0.4Nm
 5.08 x 86.5 x 44mm

Temperature range for 0..10V output

- 50°C..+50°C
- 20°C..+60°C
- 0°C..+50°C
- 0°C..+100°C
- 0°C..+150°C
- 0°C..+200°C
- 0°C..+300°C
- 0°C..+600°C

Order number

- 45393T/155
- 45393T/126
- 45393T/005
- 45393T/0010
- 45393T/0015
- 45393T/0020
- 45393T/0030
- 45393T/0060