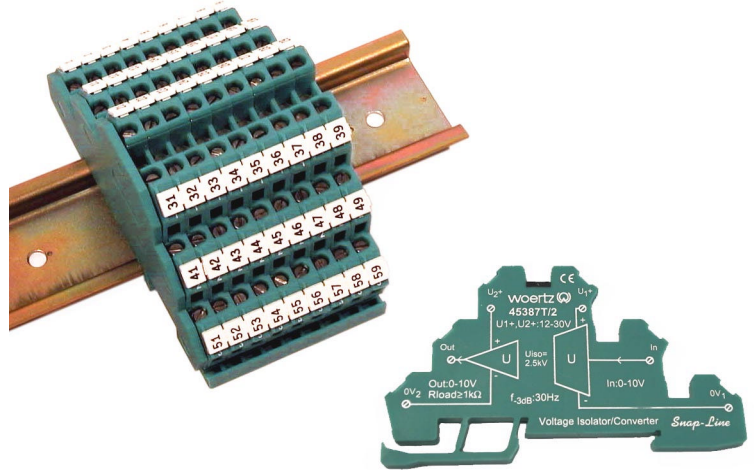


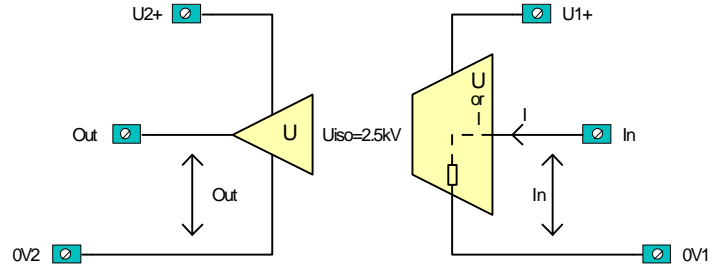
Features

- 5.08mm Snap-Line converter with an integrated isolation barrier.
- Industrial standard inputs: 0-20mA, 4-20mA or 0-10V. Output: 0-10V
- Standard version with low pass filter for suppression of 50-60 Hz and other noise.
- Fast (F) version with a cut frequency of ca. 20kHz for high speed applications
- Wide supply voltage range
- High input impedance for voltage input and low input impedance for current input
- High isolation voltage
- On request: wider temperature range, other input and output ranges and higher accuracy



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)

Supplies

Power supply range (input and output sides) 12-30VDC
 Power supply current input side (no load, U₁₊=24V) max. 20mA
 Power supply current output side (no load, U₁₊=24V) max. 5mA

Converter

Input range 0-10VDC
 Output 0-10VDC
 Input impedance 1MΩ
 Conversion error <0.5% (50mV) (typically <0.2%)
 Output load min. 1kΩ
 Low pass version filter cut frequency ca. 30Hz
 High speed version cut frequency ca. 20kHz
 Output protection ca. 11V
 Input / output dielectric strenght 2.5kV
 Input / output creepage distance 1.5mm

0-10V input

0-20mA input

4-20mA input

12-30VDC
 max. 20mA
 max. 5mA

12-30VDC
 max. 20mA
 max. 5mA

12-30VDC
 max. 20mA
 max. 5mA

0-10VDC
 0-10VDC
 1MΩ
 <0.5% (50mV)
 (typically <0.2%)

0-20mA
 0-10VDC
 50Ω
 <0.5% (50mV)
 (typically <0.2%)

4-20mA
 0-10VDC
 50Ω
 <0.5% (50mV)
 (typically <0.2%)

Output load min. 1kΩ
 Low pass version filter cut frequency ca. 30Hz
 High speed version cut frequency ca. 20kHz
 Output protection ca. 11V
 Input / output dielectric strenght 2.5kV
 Input / output creepage distance 1.5mm

min. 1kΩ
 ca. 30Hz
 ca. 20kHz
 ca. 11V
 2.5kV
 1.5mm

min. 1kΩ
 ca. 30Hz
 ca. 20kHz
 ca. 11V
 2.5kV
 1.5mm

min. 1kΩ
 ca. 30Hz
 ca. 20kHz
 ca. 11V
 2.5kV
 1.5mm

General data

Operating temperature range 0°C to +45°C
 Wire cross section 2.5mm² (AWG24-14)
 Maximum torque 0.4Nm
 Size L x B x H (from rail) 5.08 x 86.5 x 44mm

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

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

Order numbers

Converter, 0-10V output, with LP filter
 Converter, 0-10V output, high speed

0-10V input

45388T/2
45387T/2F

0-20mA input

45388T/2
45388T/2F

4-20mA input

45389T/2
45389T/2F