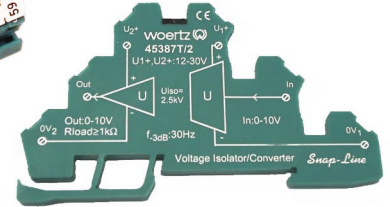
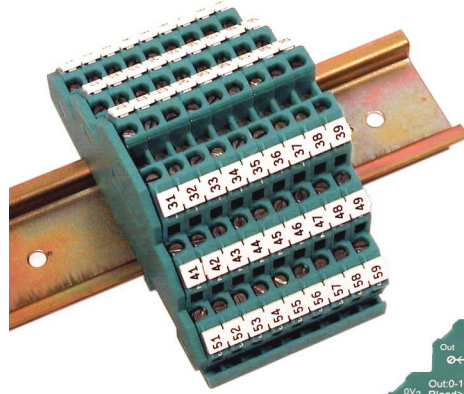


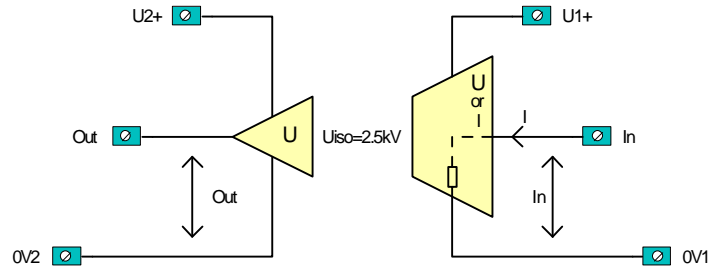
**Features**

- 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, U<sub>1+</sub>=24V) max. 20mA  
 Power supply current output side (no load, U<sub>1+</sub>=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

**General data**

Operating temperature range 0°C to +45°C  
 Wire cross section 2.5mm<sup>2</sup> (AWG24-14)  
 Maximum torque 0.4Nm  
 Size L x B x H (from rail) 5.08 x 86.5 x 44mm

**0-10V input**

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

**0-20mA input**

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

**4-20mA input**

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

0°C to +45°C  
 2.5mm<sup>2</sup> (AWG24-14)  
 0.4Nm  
 5.08 x 86.5 x 44mm

0°C to +45°C  
 2.5mm<sup>2</sup> (AWG24-14)  
 0.4Nm  
 5.08 x 86.5 x 44mm

0°C to +45°C  
 2.5mm<sup>2</sup> (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**

**45387T/2**  
**45387T/2F**

**0-20mA input**

**45388T/2**  
**45388T/2F**

**4-20mA input**

**45389T/2**  
**45389T/2F**