

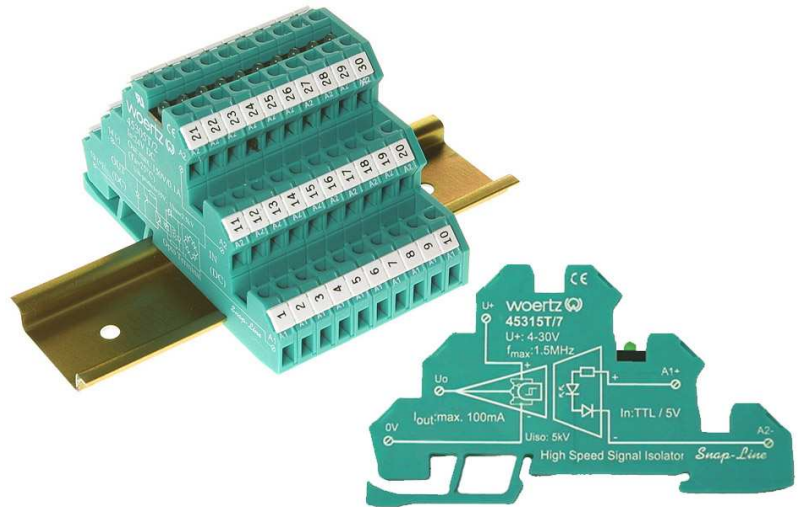
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DC input, Push-Pull output

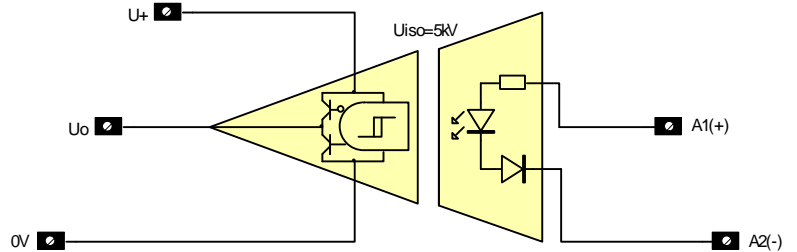
**Features**

- High speed active (push-pull) signal isolator in terminal housing, 5.08mm wide
- LED indicating on state
- For isolated data transmission up to 1.5Mb/s
- As level shifter between systems with different voltage or earth potential
- As booster / amplifier of weak signals
- Direct interface to capacitive loads like MOSFETs and IGBTs
- Proximity switch interface: PNP booster or NPN to PNP inverter
- As sinus to square wave converter
- Available for all common industrial voltages



**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
- 35455/55xx Labels for custom use RB5x5



**Technical data** (Ta = 25°C, U+=24V unless otherwise noted)

**Supply**

Supply voltage range  
 Supply current (no load)

**Output**

Output voltage (no load)

Max. transmission frequency (res. Load, DC=50%, i=30mA)  
 Max. output current (sink and source, f< 500kHz)  
 Max. transient output current (sink and source)

**Input**

Input voltage tolerance  
 Input current at rated input voltage (U<sub>N</sub>)  
 Switch on level  
 Switch off level

**General data**

Input / output dielectric strength  
 Input / output creepage distance  
 Operating temperature range  
 Wire cross section  
 Max. torque  
 Size L x B x H (from rail)

**High speed input**

5-15VDC  
 8mA (DC), 17mA (1.5MHz)  
 "0"<0.3V, "1">U<sup>+</sup>-2V  
 (eg. for TTL output: U<sup>+</sup>=5V)  
 1.5MHz  
 100 mA  
 0.4 A

**High speed input**

15-30VDC  
 8mA (DC), 17mA (1.5MHz)  
 "0"<0.3V, "1">U<sup>+</sup>-2V  
 (eg. for TTL output: U<sup>+</sup>=5V)  
 1.5MHz  
 100 mA  
 0.4 A

± 20 %  
 ca. 5 mA, 110V: ca.3 mA  
 >0.8 x U<sub>N</sub>  
 <0.2 x U<sub>N</sub>

± 20 %  
 ca. 5 mA, 115-230 V: 2-3 mA  
 >0.8 x U<sub>N</sub>  
 <0.2 x U<sub>N</sub>

5 kV  
 3.0 mm  
 -10 °C to +45 °C  
 2.5 mm<sup>2</sup> (AWG 24-14)  
 0.4 Nm  
 5.08 x 86.5 x 44 mm

5 kV  
 3.0 mm  
 -10 °C to +45 °C  
 2.5 mm<sup>2</sup> (AWG 24-14)  
 0.4 Nm  
 5.08 x 86.5 x 44 mm

**Input Voltage**

TTL / 5 VDC  
 24 VDC

**Order numbers**

**High speed input**

45315T/7/15  
 45315T/2/15

**High speed input**

45315T/7/30  
 45315T/2/30