

Snap-Line high speed / active Optocouplers

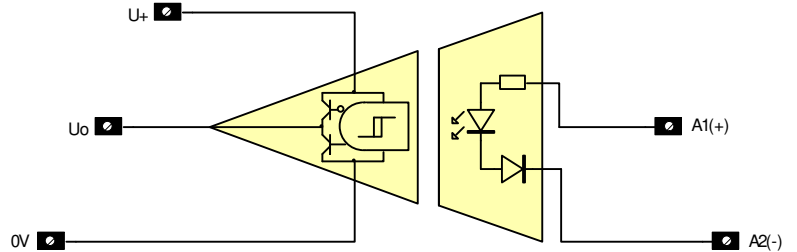
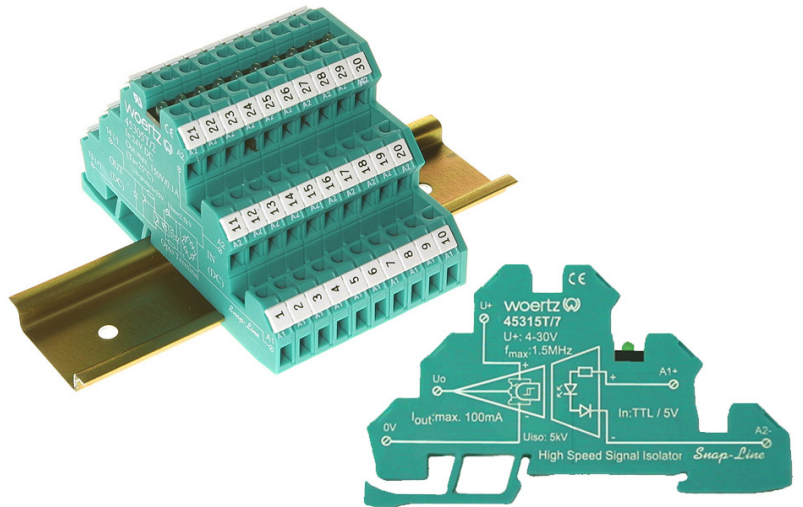
DC input, Push-Pull output

Features

- High speed active (push-pull) signal isolator in terminal housing, 5.08mm wide
- LED indicating on state
- For isolated data transmission up to 2Mb/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

Output

Output voltage (no load)

Max. transmission frequency

Max. output current (sink and source)

Max. transient output current (sink and source, t ≤ 1 μs)

Input

Input voltage tolerance

Input current at rated input voltage (UN)

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
max 10 mA

"0" < 0.3V, "1" > U+ - 2V
(eg. for TTL output: U+ = 5V)

5MHz
25 mA
1 A

± 20 %
max 5 mA
> 0.8 x UN
< 0.2 x UN

5 kV
7.0 mm
-20 °C to +65 °C
2.5 mm² (AWG 24-14)
0.4 Nm
5.08 x 86.5 x 44 mm

High speed input

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

High speed input

15-30VDC
max 16 mA

"0" < 0.3V, "1" > U+ - 2V

2MHz
25 mA
1 A

± 20 %
max 5 mA
> 0.8 x UN
< 0.2 x UN

3.75 kV
7.0 mm
-20 °C to +80 °C
2.5 mm² (AWG 24-14)
0.4 Nm
5.08 x 86.5 x 44 mm

High speed input

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

Input Voltage

TTL / 5 VDC
24 VDC

Order numbers