

Electrotech (ESG)

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www.esgllc-usa.com

Snap-Line high speed / active Optocouplers

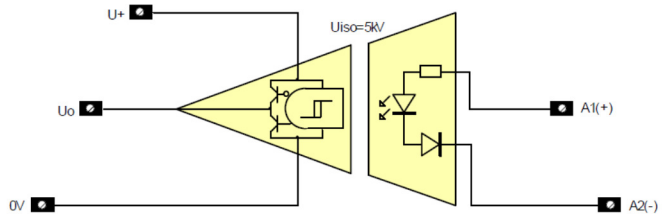
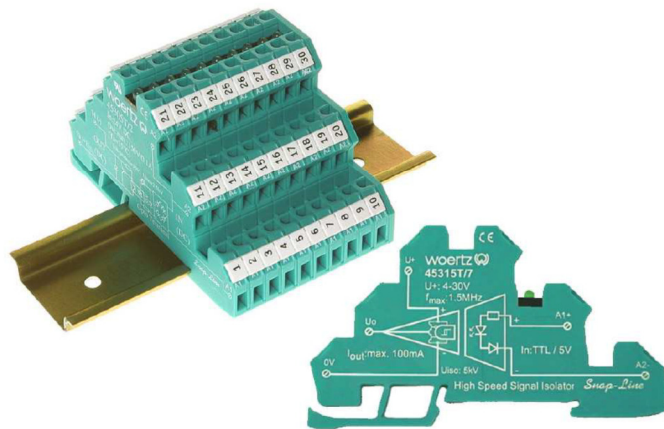
DC input, Push-Pull output

Features

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

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)

Input Voltage

TTL / 5 VDC

24 VDC

Order numbers

High speed input

5-15VDC
8mA (DC), 17mA (1.5MHz)

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

1.5MHz
100 mA
0.4 A

± 20 %
ca. 5 mA, 110V: ca.3 mA
>0.8 x U_N
<0.2 x U_N

5 kV
3.0 mm
-10 °C to +45 °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
8mA (DC), 17mA (1.5MHz)

"0"<0.3V, "1">U⁺-2V

1.5MHz
100 mA
0.4 A

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

5 kV
3.0 mm
-10 °C to +45 °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