

# Snap-Line AC/DC Optocouplers

DC or AC input, medium or power AC/DC load

## Features

- Medium or power AC/DC optocoupler in terminal housing, 5.08mm wide
- LED indicating on state
- High voltage switch with 45375/ 45376
- For many applications where isolation, size and reliable switching are important
- Available for all common industrial voltages

## Accessories

- 30407T End barrier (necessary for proper isolation)
- 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)

### Output

Max. switching voltage ( $U_{max}$ )  
 Max. switching current ( $I_{max}$ , given at  $0.5 \times U_{max}$ )  
 Max. transient current (during on state)  
 Voltage drop ( $I = 0.5 \times I_{max}$ )

### Input

Operating voltage tolerance

Input current at rated input voltage ( $U_N$ )  
 Switch on level (Input between off and on level is forbidden)  
 Switch off level (Input between off and on level is forbidden)  
 Max. transmission frequency  
 (res. Load, DC=50%,  $i=0.5 \times I_{max}$ ,  $U_{switch}=0.5 \times U_{max}$ )

### 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)

### $U_N$

5 VDC  
 12 VDC  
 24 VDC  
 48 VDC  
 110 VDC  
 24 VAC/DC (50-60Hz)  
 115 VAC/DC (50-60Hz)  
 230 VAC/DC (50-60Hz)

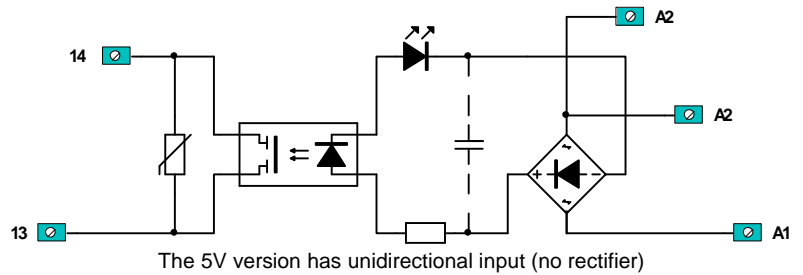
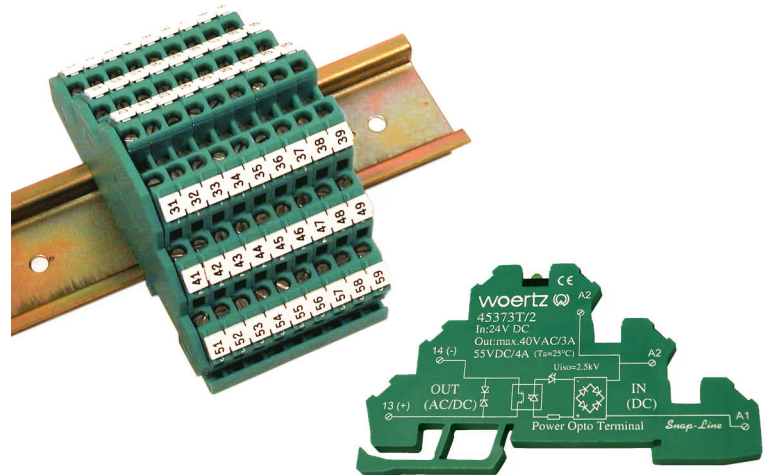
### Order numbers

### 4 A

45373T/7  
 45373T/1  
 45373T/2  
 45373T/3  
 45373T/9  
 45374T/12  
 45374T/15  
 45374T/14

### 1 A

45375T/7  
 45375T/1  
 45375T/2  
 45375T/3  
 45375T/9  
 45376T/12  
 45376T/15  
 45376T/14



### 4 A (low voltage)

40 VAC / 55VDC  
 4 A \*  
 25 A / 0.1 ms  
 max. 0.2 V

### 1 A (high voltage)

250 VAC / 300VDC \*\*\*  
 1 A \*\*  
 10 A / 0.1 ms  
 max. 1 V

$\pm 20\%$   
 5, 115, 230 V:  $\pm 15\%$   
 ca. 5 mA, 110-230V: 2-3mA  
 $>0.8 \times U_N$   
 $<0.4 \times U_N$   
 45373: 10 Hz  
 45374: 5 Hz

2.5 kV  
 3.0 mm  
 -25°C to +45°C  
 2.5mm<sup>2</sup> (AWG24-14)  
 0.4 Nm  
 5.08 x 86.5 x 44 mm

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 5.08 x 86.5 x 44 mm

For protection against accidental contact, an end barrier (3047T) should be placed at the end of a snap-Line block

\* If closely stacked and continuously operated, the rated current should not exceed 3.5A  
 \*\* If closely stacked and continuously operated, the rated current should not exceed 0.8A  
 \*\*\* Can switch up to 400VAC/550VDC (0.2A), but due to limitations in isolation voltage and creepage distance, it must not be used where danger or damage can occur