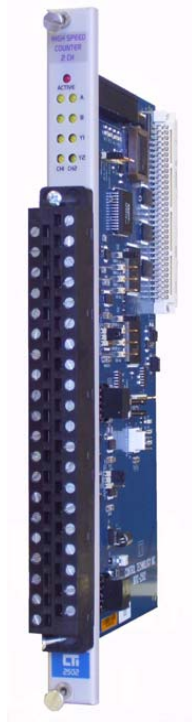


2502 2-Channel High Speed Counter Input Module



Description

The 2502 is 2-channel High Speed Counter Input Module designed to be compatible with the CTI 2500 Series™ and Simatic® 505 PLC systems. The 2502 provides two independent counter channels.

Features

- Replaces Siemens® 505-7002 with no rewiring
- Two independent high-speed 16-bit counter channels
- Each counter has
 - pulse counter mode
 - 1X, 2X, 4X quadrature counter modes
 - 10 KHz count rate with minimum pulse width of 25us
 - two count inputs
 - reset input
 - inhibit input
 - two outputs
 - LED indicators

Specifications

Count Inputs:

Maximum Frequency

Duty Cycle	Count Mode Frequency	Quadrature Mode Frequency
10%	10 KHz	4 KHz
20%	25 KHz	8 KHz
25%	30 KHz	10 KHz
30%	35 KHz	12 KHz
40%	50 KHz	15 KHz
50%	45 KHz	15 KHz
60%	35 KHz	15 KHz

On voltage: 2.76 VDC
 Current on: 8 to 16 mA
 Off voltage: 0.8 VDC
 Current off: 0 to 1 mA

Reset and Inhibit Inputs:

On voltage: 4 to 28 VDC
 Current on: 2 to 40 mA
 Off voltage: -1.5 to 1.5 VDC
 Current off: 0 to 0.75 mA

Outputs:

User voltage: 28 VDC max.
 Voltage drop: 1.8 VDC max. @ 400 mA
 1.0 VDC max. @ 25 mA
 Leakage current: 500 uA max.
 Max current: 500 mA

Backplane Power: 3 Watts (maximum)

Operating Temperature: 0° to 60°C

Storage Temperature: -40° to 85°C

Relative Humidity: 5% to 95%

Agency Approvals Pending:

UL, ULC, CE, Class 1 Div 2

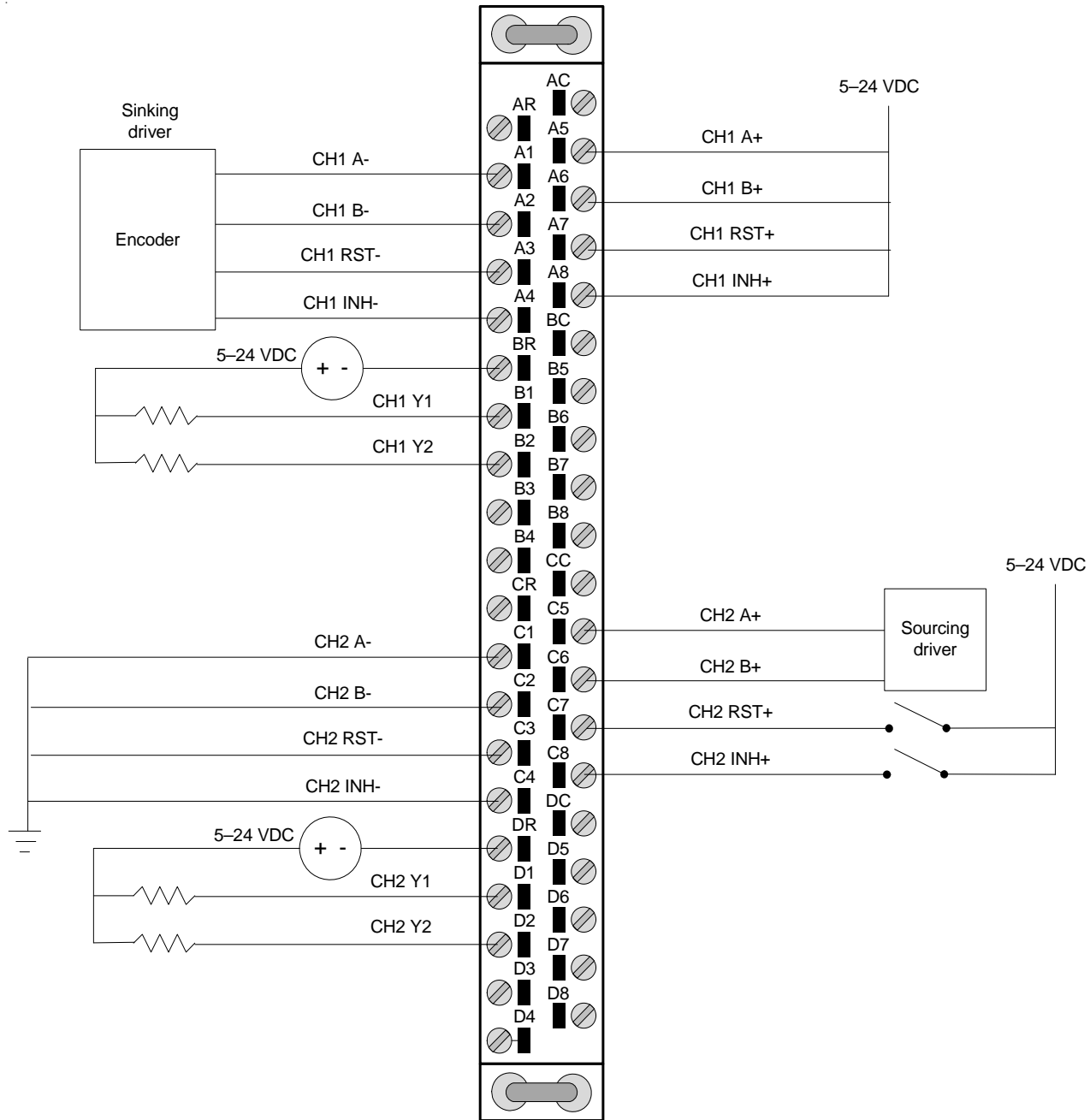
Shipping Weight: 1.5 lb. (0.68 Kg)



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2502 Wiring Example