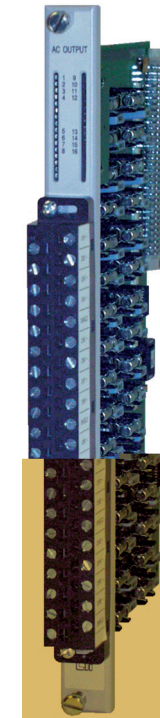


2500 Series PLC System Product Bulletin

2596-8 8-Point DC Discrete Output Module



Description

The 2596-8 8-Point DC Discrete Output Module provides eight sourcing fused outputs from the CTI 2500 Series or Simatic® 505 I/O base. The module utilizes solid-state output circuits to switch on or off external devices such as pilot lamps, motor starters, or solenoids. The 2596-8 is designed to switch externally supplied 11-125 VDC. The internal logic signals are isolated from the external outputs to 2100 VDC.

Features

- 8 DC output points
- Replaces Siemens® 505-4508, -4708
- 3000 VDC group-to-group isolation
- 2100 VDC channel-to-backplane isolation
- Isolation in groups of two
- Wide 11-125 VDC output range
- 2.0 Amps per output
- 16 amps total module output
- Individually sourcing fused outputs
- Single-wide module

Specifications

Outputs per Module: 8

Isolation: 2100 VDC channel-to-backplane
3000 VDC group-to-group

Output Voltage: 11 VDC to 125 VDC

Output Source Current per Circuit:
2.0 Amps max., 1 mA min.

Total Module Output Current: 16 Amps max.
from 0° to 60°C

Maximum Surge Current: 3 Amps for 15 Sec

“ON” State Voltage Drop: 0.5V @ 1.0 Amp

“OFF” State Leakage Current: <20µA

Turn On Time: 1 mSec (nominal)

Turn Off Time: 3 mSec (nominal)

Fuses: 8, 2.5 amp, 250V,
Type: Littlefuse #21602.5,
Bussman GDA-2.5 (Field replaceable)

Connector: Removable

Wire Gauge: 14 - 22 AWG

Backplane Power: 1.0 Watt max.

Module Size: Single-wide

Operating Temperature: 0° to 60°C
(32° to 140°F)

Storage Temperature: -40° to 85°C
(-40° to 185°F)

Relative Humidity: 5% to 95%
(non-condensing)

Agency Approvals Pending:
UL, ULC, FM (Class 1, Div.2), CE

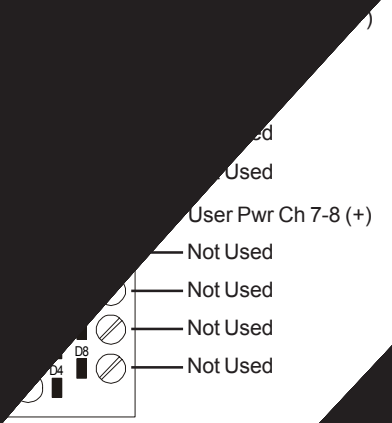
Shipping Weight: 1.5 lb. (0.68 Kg)



Control Technology Inc.

5734 Middlebrook Pike, Knoxville, TN 37921-5962

Phone: 865/584-0440 Fax: 865/584-5720 www.controltechnology.com



Outputs Per Common V

ISOLATION

Channel Configuration Explanation