2532 16-Point Form-A Relay Output Module

Description

The 2532 16-Point Form A Relay Output Module provides sixteen Form A outputs isolated in groups of four for the CTI 2500 Series® or the SIMATIC® 505 I/O base. The module utilizes relay output circuits to switch ON or OFF external devices such as pilot lamps, motor starters, or solenoids. The 2532 is designed to switch externally supplied 15 to 240 VAC and 15 to 30 VDC. The internal logic signals are isolated from the external outputs to 2100 VDC.

Features

- CTI 2500 Series® base format
- 16 Form A relay outputs
- Replaces Siemens® 505-4916 with no rewiring
- Isolated 3000 VDC group-to-group
- Isolation in groups of 4
- Wide 15-240 VAC and 15-30 VDC output range
- 4.0 Amps per output
- Individually fused outputs
- Single-wide module

Specifications

- Outputs per module: 16
- Module Login: 16Y
- Isolation: 2100 VDC channel-to-backplane
- 3000 VDC group-to-group
- Output voltage: 15 - 240 VAC, 15 - 30 VDC
- Indicators: 16 individual LEDs
- Maximum output current:
  - 4A per point (resistive)
  - 8A per group (resistive)
- Switching rate:
  - 5 ops/sec (no load),
  - 0.5 ops/sec (rated load)
- Type of contact: Form A
- Type of outputs: Individually fused
- Minimum contact load: 10mA @ 5 VDC
- Contact life:
  - @ full rated current, 4A = 400,000 cycles
  - @ 2A = 1,000,000 cycles
- Backplane Power: 1.7 Watts
- User Power Supply: 24VDC ±10% 300 mA
  (all outputs ON)
- Fuses: FUSES: Field Replaceable per channel
  - Channel: 16 - 5 Amp, 250V
    Littelfuse P/N: 217.001 or Schurter P/N: 034.1516
  - User Power Supply Fuse: 1 - 1 Amp, 250V
    Littelfuse P/N: 215.005 or Schurter P/N: 0001.2511
- Connector: 2500-40F sold separately
- Wire Gauge: 14 - 22 AWG
- Module Size: Single-wide
- Shipping Weight: 1.5 lb. (0.68 Kg)

Additional Product Information:

On CTI’s Website you will find links to the 2500 Series Std Environmental Specifications and the UL Agency Certificates of Compliance.
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**WARNING:**
Do not replace fuses with the front wiring connector still connected if field wiring is installed.

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<tr>
<th>Channel</th>
<th>Fuse Location</th>
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<td>16</td>
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**WARNING:**
The module must not be inserted into the I/O rack while rack power is applied.

**CAUTION – Non-Hazardous Areas/Hazardous Areas**

**WARNING – EXPLOSION HAZARD. DO NOT REMOVE OR REPLACE WHILE CIRCUIT IS LIVE UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS.**

**AVERTISSEMENT – RISQUE D’EXPLOSION. NE PAS RETIRER NI REMPLACER PENDANT QUE LE CIRCUIT EST SOUS TENSION À MOINS QUE L’EMPLACEMENT NE SOIT EXEMPT DE CONCENTRATIONS INFLAMMABLES.**

**WARNING – EXPLOSION HAZARD. DO NOT REMOVE OR REPLACE FUSE WHEN ENERGIZED.**

**AVERTISSEMENT – RISQUE D’EXPLOSION. NE PAS RETIRER NI REMPLACER UN FUSIBLE SI L’APPAREILAGE EST SOUS TENSION.**

Turn off power to the system before replacing fuses either in power supplies or IO modules. Refer to Product Bulletin or Installation and Operation Guide for specific information on the correct fuse for replacement. If there are any questions please contact CTI support. Fuses should only be replaced by qualified technicians.