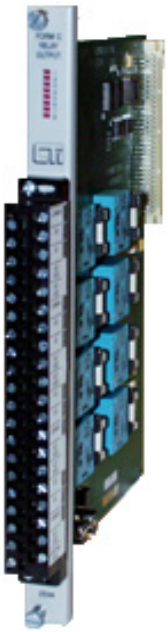
2500 Series PLC System
Product Bulletin

2534 8-Point Form-C Relay Output Module



Description

The 2534 8-Point Form C Relay Output Module provides eight isolated Form C relay outputs for the SIMATIC® 505 I/O base. This module plugs directly into the SIMATIC® 505 I/O base and responds to SIMATIC® 505 instructions. The 2534 is designed for high current applications such as switching motor starters. It is also designed for 125 VDC (nominal) low level current applications and is especially suited for applications in power utility substations.

Features

- SIMATIC® 505 base format
- 8 Form C relay outputs
- Isolated 1500 VDC channel-to-backplane
- Wide 15-240 VAC, 15-150 VDC output range
- 4.0 Amps per output
- Individually fused outputs
- Single-wide module

Specifications

Outputs per module: 8

Isolation: 1500 VDC channel-to-backplane
1500 VDC channel-to-channel

Output voltage: 15 - 240 VAC
15 - 150 VDC

Inrush current: 64 Amps for 2 mSec

Indicators: 8 individual LEDs

Maximum output current:
15VAC - 240VAC: 4A
15VDC - 30VDC: 4A
150VDC:
Resistive: 1mA - 500mA
Inductive: 1mA - 250mA

Switching rate: 5 ops/sec (no load)

Type of contact: Form C

Type of outputs: Individually fused

Contact life:
@ full rated current, 4A = 300,000 cycles
@ 2A = 1,000,000 cycles

Backplane Power: 1.0 Watt

User Power Supply: 24VDC ±10%
160 mA (all outputs ON)

Fuses: 8, 5 amp, 250V, field replaceable
Type Littelfuse #215-005
Schurter #0001.2511

Connector: Removable

Wire Gauge: 14 - 22 AWG

Module Size: Single-wide

Operating Temperature:
0° to 60°C (normal locations)
0° to 50°C (Class 1 Div 2 locations)

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

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

Agency Approvals:
UL, UL-Canada, CE, Class 1 Div 2

Shipping Weight: 1.8 lb. (0.82 Kg)

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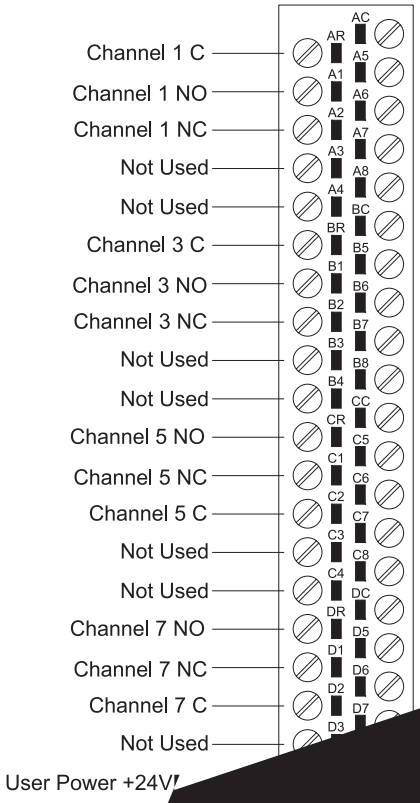

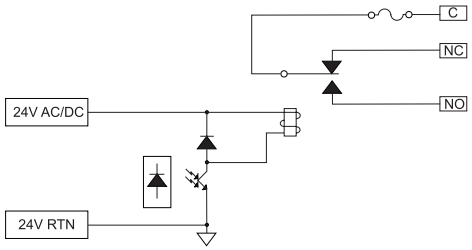

Typical Internal Circuit