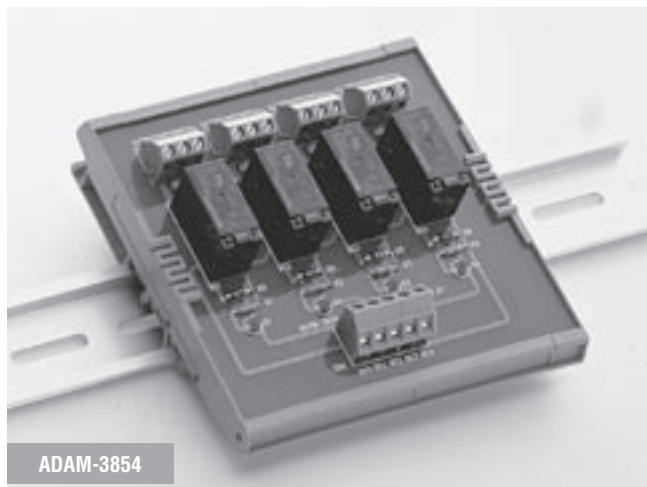


# ADAM-3854

# ADAM-3864

## 4-ch Power Relay Module

## 4-ch Solid State Digital I/O Module Carrier Backplane



ADAM-3854

### Features

- High power relays can handle up to 5 A @ 250 V<sub>AC</sub> and 5 A @ 30 V<sub>DC</sub>
- 4 single-pole double-throw (SPDT) relays
- Industrial screw terminals for easy output wiring
- LED status indicators
- Onboard varistor protects relay contact points
- DIN-rail mounting
- All the relay outputs and relay controls are accessible through wiring terminals, allowing the ADAM-3854 to be easily connected to any item of equipment or device such as programmable logic controllers (PLCs).

### Specifications

#### I/O

- Channels** 4
- Contact Rating** AC: 250 V @ 5 A  
DC: 30 V @ 5 A
- Contact Resistance** 100 mΩ
- Operation Time** 15 ms max.
- Relay Type** SPDT (Form C)
- Release Time** 5 ms max.
- Life Expectancy** 1.7 x 10<sup>9</sup> at rated load

#### Varistor

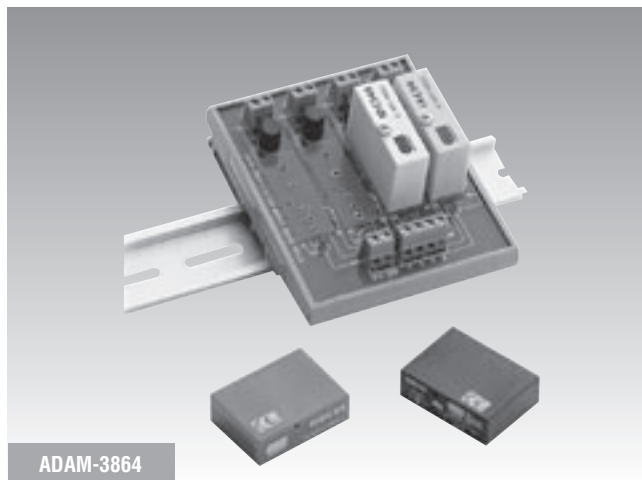
- Clamping Voltage** 760 V (10 A)
- Maximum Applied Voltage** 300 V<sub>RMS</sub>
- Max. Peak Current** 1,200 A for 8 ms
- Varistor Voltage** 470 V (current = 1 mA)

#### General

- Connectors** Screw terminals
- Dimensions (L x W x H)** 112.5 x 118.4 x 46 mm (4.43" x 4.66" x 1.81")
- LED Indicators** Status displayed for each relay
- Mounting** DIN 35 rail
- Power Consumption** 2.2 W
- Power Input** +24 V<sub>DC</sub>

### Ordering Information

- ADAM-3854** 4-ch DIN-rail Mounting Power Relay Module



ADAM-3864

### Features

- 4-channel carrier backplane for any combination of AC or DC I/O modules
- 2,500 V<sub>RMS</sub> optical isolation
- LED channel status indicator for easy monitoring
- Onboard fuse protection
- DIN-rail mounting

### Specifications

#### Input Modules

##### Field Side:

- Turn on/off Time** IAC24 series: 20 msec. max.  
IAC24A series: 20 msec. max.  
IDC24B series: 100 msec. max.
- Input on/off Voltage Range** IAC24 series: 90 ~ 140 V/45 V<sub>RMS</sub>  
IAC24A series: 180 ~ 280 V/80 V<sub>RMS</sub>  
IDC24B series: 3 ~ 32 V/1 V<sub>DC</sub>
- Input Resistance** IAC24 series: 14 kΩ  
IAC24A series: 44 kΩ  
IDC24B series: 1.5 kΩ

##### Logic Side:

- Breakdown Voltage** 30 V<sub>DC</sub>
- Output Current** 100 mA max.
- Output Voltage Drop** 0.4 V max.
- Supply Current** 12 mA max.
- Supply Voltage** 24 V<sub>DC</sub>

#### Output Modules

##### Field Side:

- Contact Voltage Drop** 1.6 V max.
- Current Rating** 3 A max. (@ 25° C)
- Turn on/ Turn off Time** OAC series: ½ AC cycle max.  
ODC series: 100 µsec./750 µsec. max.

##### Logic Side:

- Input Resistance** 220 Ω
- Supply Current** 12 mA max.
- Supply Voltage** 24 V

#### CANNOT FIT ALL SPECS

- Dimensions (L x H x W)** 118.4 x 90 x 59 mm (4.66" x 3.54" x 2.32")
- Mounting** DIN 35 rail

### Ordering Information

- ADAM-3864** 4-ch Solid State Digital I/O Module Carrier Backplane
- OAC24A** AC Output Module (24-280 V<sub>AC</sub>, 3 A)
- ODC24** DC Output Module (5-60 V<sub>DC</sub>, 3 A)
- PCLM-ODC5** DC Output Module (ODC5, 5-60 V<sub>AC</sub>)
- IAC24** AC Input Module (90-140 V<sub>AC</sub>)
- IAC24A** AC Input Module (180-280 V<sub>AC</sub>)
- IDC24B** DC Input Module (3-32 V<sub>DC</sub>)