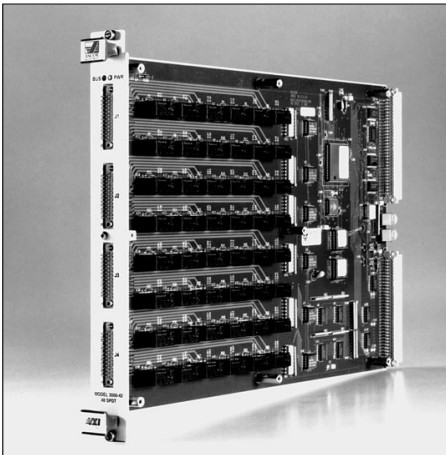


# MODEL 3000-42

## ASCOR Model 3000-42 General Purpose VXI Switch Module



**ASCOR's Model 3000-42 is a General Purpose VXI Switch Module supporting 48 SPDT, high current relays.**

- **The unit is a single slot VXI Module**
- **48 SPDT high current relays supported**
- **Voltage 277 VAC; 110 VDC**
- **Current 5 Amps**
- **Power 1,250 VA**
- **Path resistance  $\leq 200$  milliohm**
- **Provision for mounting passive devices is available (see diagram)**

### High Performance General Purpose Switch Module:

ASCOR first designed its comprehensive family of high density VXI Switching Modules to provide maximum flexibility to the system integrator. Our proven experience in high performance, high density switching solutions is incorporated in the 3000-42. Ideal for ATE switching applications requiring a large volume of high current SPDT relays, the 3000-42 continues the high quality standard of ASCOR's entire family of VXI products.

### High Density and Maximum Configurability:

The 48 SPDT relays of the Model 3000-42 deliver a full 5 Amps continuously for general purpose UUT (unit under test) testing

applications; for example: set-up test and applying power to the UUT. All relays are mounted over an analog ground. Mounting relays in this manner provides the maximum signal to noise ratio. Components may be mounted in series or parallel with the relays, as specified. See circuit diagram.

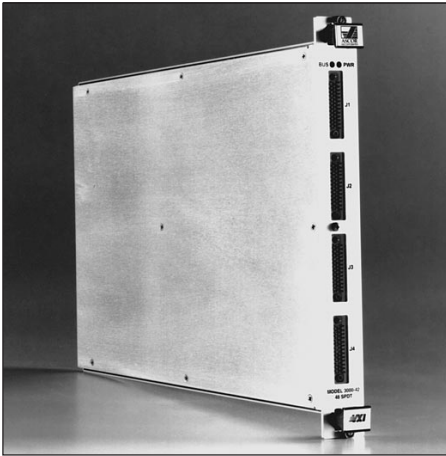
### Protecting Your Investment With VXIMAX™ 16/32

To address tomorrow's applications, requiring even greater capabilities, ASCOR's 3000-42 supports either 16-bit or 32-bit data bus paths through its VXIMAX 16/32 VXIbus interface. The 3000-42 VXIMAX is *field upgradable* from 16 bit to 32 bit.

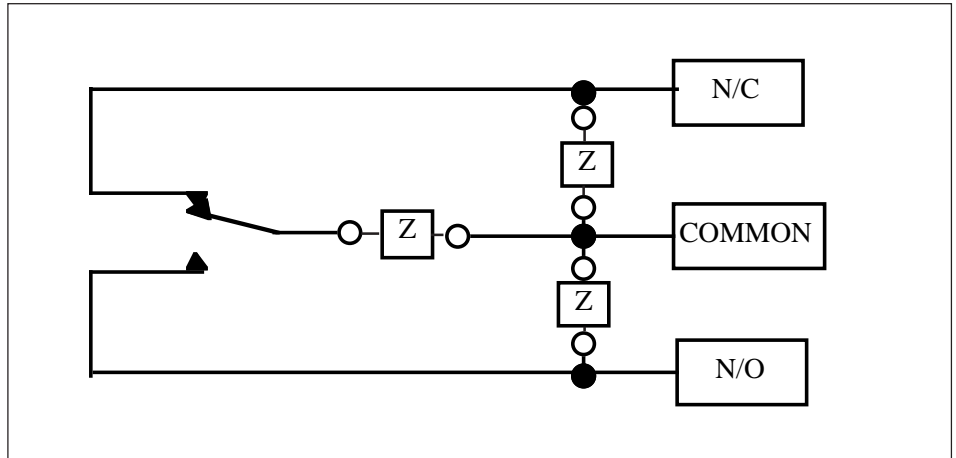


# MODEL 3000-42

## ASCOR Model 3000-42 General Purpose VXI Switch Module



ASCOR's Model 3000-42 supports full 5 Amp switching requirements.



Typical circuit diagram for 48 SPDT relays.

### Self Testing

Like all ASCOR VXI Modules, the Model 3000-42 incorporates internal self test hardware allowing you to test, read back, and verify the integrity of the relay control circuitry.

All ASCOR VXI Modules also feature a unique built-in service record for tracking repairs to the Module by time and date the repair was actually performed.

ASCOR also provides a 3 year limited warranty on all VXI Modules.

### Quiet Ideas. Powerful Solutions.

ASCOR, founded in 1987 and headquartered in California's Silicon Valley, provides a complete line of VXI Switching and Digital Modules for industrial, medical, scientific, and governmental automatic test applications. ASCOR VXI products are the quietest, cleanest, highest density VXI modules commercially available.

### Specifications

- VXI, single slot 48 SPDT relays, "C" size module
- Programming is register based **VXIplug&play**
- VXI Power
  - + 5 Volts @ 0.49 Amps (max.)
  - 12 Volts @ 1.38 Amps (max.)
- Electrical:
  - Maximum switching Voltage 277 VAC; 110 VDC
  - Maximum switching Current 5 Amps
  - Maximum switching power 1,250 VA
  - Contact Resistance <0.2  $\Omega$
  - Bandwidth > 50Mhz
  - Crosstalk -62 db @ 1Mhz
  - Crosstalk -37 db @ 10Mhz
  - Crosstalk -26 db @ 40Mhz
  - Insertion Loss <- 0.7 db @ 30Mhz
- Mechanical Life:  $10^7$  operations
- Environmental Specification
  - Temperature
    - Operating: 0° to 55° C
    - Storage -40° to 75° C
  - Relative Humidity
    - Operating 10 to 90% non-condensing
    - Storage 0 to 95% non-condensing

**CE** The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

### Ordering Information:

- ASCOR 3000-42
  - VXI Module with 48 SPDT high current relays
- Installation Kit (includes hardware to mate with one module) PN: 89800340

Representative Information:



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