



## VX414C SPST plus SPDT Switching Module

The VX414C 16/48-Channel Switching Module is a C size, Register based switching card that provides 16 channels of SPST (Form-A) switching and 48 channels of SPDT (Form-C) switching. The 16 Form-A channels are rated for up to 5 amps and the 48 Form-C channels are rated for up to 2 amps. MODID and Board Select indicators are included. Module is equipped with BIT capability and shielding.

### Specifications:

#### Maximum Input Voltage:

Terminal to Terminal:

250 Vdc or  $ac_{rms}$

Terminal to Chassis:

250 Vdc or  $ac_{rms}$

#### Maximum Switchable Voltage:

100 Vdc, 250 Vac<sub>rms</sub>

#### Maximum Switchable Current:

(DC or  $AC_{rms}$ ):

Form A: 5A (125 Vac, 30 Vdc)

Form C: 2A (125 Vac, 30 Vdc)

#### Maximum Switchable Power:

Form A: 625 Va

Form B: 250 Va

#### Closed Channel Resistance:

Initially  $\leq 0.1 \Omega$

#### Insulation Resistance

(between any two points):

$>10^8 \Omega$

#### Relay Life (operations):

At rated load

$1 \times 10^7$

#### Relay Operative Time:

6 msec (typical)

#### Relay Release Time:

4 msec (typical)

#### Power Up/Down States:

Normally open contact is open.

#### Power:

+5V @ 1.0A typical

+12V @ 1.5A typical

### Ordering Information:

Description

Part Number

VX414C

11027680-0001

### VXIbus Compliance

Complies with ANSI/IEEE Std. 1014-1987 and VXIbus Rev 1.4

A16:D16 DTB Slave

Register based

No Interrupts

IACKIN tied to IACKOUT

BRX tied to BGX

Form Factor: Size C

Built-in test via register feedback

### Applications

- Power Switching
- Control
- LF Signal Switching

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