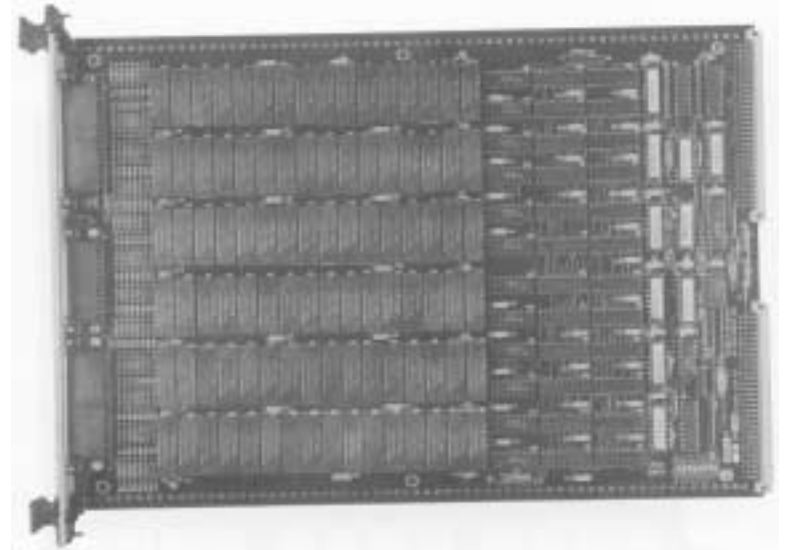


This product is manufactured by C&H Technologies, Inc. and exclusively distributed by Racal Instruments, Inc.

96 Channel VXI Switching Module Model VX416C

The VX416C is a C-size, register-based VXI switching card that provides 96 channels of 2A mercury-wetted, Form-A switching. User connections to the module are two (2) AMP HD-22 78 position and one (1) AMP HD-22 44 position receptacle type connectors. MODID and Board Select indicators are included. Module is equipped with BIT capability and shielding. The VX416C is a drop-in replacement for the mercury-wetted AD Data 230117-112.



SPECIFICATIONS

Maximum Input Voltage

Terminal to Terminal: 250 VDC or AC_{rms}
Terminal to Chassis: 250 VDC or AC_{rms}

Maximum Switchable Voltage

250 VDC or VAC_{rms}

Maximum Switchable Current (DC or AC_{rms})

Per Contact: 2 A
Per Module: 25 A

Maximum Switchable Power

Per Contact: 50 W
Per Module: 625 W

Closed Channel Resistance

>100 mA: <0.085 Ω
(relay plus connector)

Insulation Resistance (Between any two points)

>5 x 10⁹ Ω

Relay Life (operations)

Low Level: 10⁹
Rated Load: 5 x 10⁷

Relay Operate Time (typical)

Close: 1.5 msec
Open: 1 msec

Position Sensitivity

Vertical orientation $\pm 30^\circ$

Power Up/Down States

Contact is open

Power

+5 V @ 1.5 A (typical)
+12 V @ .5 A (typical)

VXIbus Compliance

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

A16:D16 DTB Slave

No SYSFAIL

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

Ordering Information

Part Number: 11027575-0001