# **Racal Instruments**

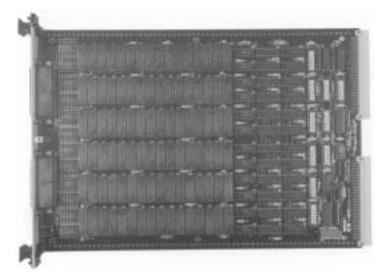
http://www.racalinstruments.com

# PRODUCT

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

## 24 Channel 1x4 Multiplexer Module Model VX415C

The VX415C is a C-size, register-based switching card that provides 24 channels of 1x4 multiplexers with Mercury wetted 2A relays. User connections to the module are through two (2) AMP HD-22 78 position receptacle type connectors. MODID and Board Select indicators are included. Module is equipped with BIT capability and shielding. The VX415C is a drop-in replacement for the obsolete AD Data 230118-112.



## **Maximum Input Voltage**

Terminal to Terminal: 250 VDC or AC<sub>rms</sub> Terminal to Chassis: 250 VDC or AC<sub>rms</sub>

Maximum Switchable Voltage 250 VDC, 250 VAC<sub>rms</sub>

## 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) $>5 \times 10^9 \Omega$

## **SPECIFICATIONS**

Relay Life (operations) Low Level: 10<sup>9</sup> Rated Load: 5 x 10<sup>7</sup>

### **Relay Operate Time**

Close: 1.5 msec (typical) Open: 1 msec (typical)

Position Sensitivity Vertical orientation + 30°

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: 11027565-0001



 Racal Instruments Inc., 4 Goodyear St., Irvine, CA 92618-2002. Tel: (800) RACAL-ATE, (800) 722-2528, (949) 859-8999; FAX: (949) 859-7139

 Racal Instruments Ltd., 29-31 Cobham Road, Wimborne, Dorset, BH21 7PF, United Kingdom. Tel: +44 (0) 1202 872800; FAX: +44 (0) 1202 870810

 Racal Instruments France, 18 Avenue Dutartre, 78150 LeChesnay, France. Tel: +33 (1) 3923 2222; FAX: +33 (1) 3923 2225

 Racal Instruments Srl, Strada 2-Palazzo C4, 20090 Milanofiori Assago, Milan, Italy. Tel: +39 (0)2 5750 1796; FAX +39 (0)2 5750 1828

Racal Instruments GmbH, Technologiepark Bergisch Gladbach, Friedrich-Ebert-Strasse, D-51429 Bergisch Gladbach, Germany. Tel: +49 2204 8442 00; FAX: +49 2204 8442 19

1.0 - 2/03