Racal Instruments

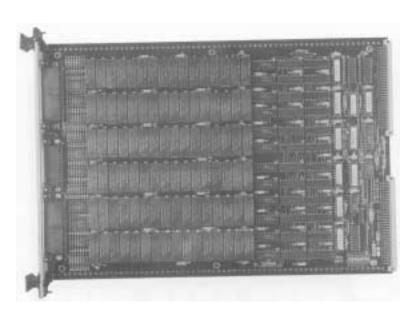
http://www.racalinstruments.com

PRODUCT INFORMATION

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.



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)

SPECIFICATIONS

Insulation Resistance (Between any two points)

 $>5 \times 10^9 \,\Omega$

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 + 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: 11027575-0001



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., 480 Bath Road, Slough, Berkshire, SL1 6BE, United Kingdom. Tel: +44 (0) 1628 604455; FAX: +44 (0) 1628 662017

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

Racal Systems Elettronica SrI, 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