Racal Instruments

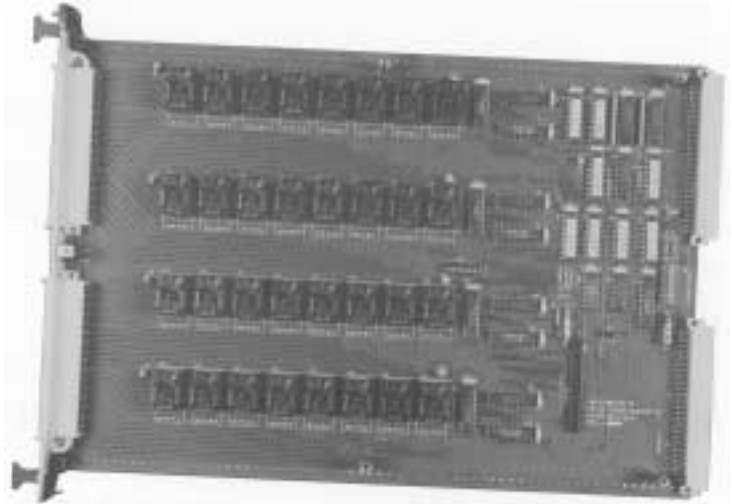http://www.racalinstruments.com

PRODUCT INFORMATION

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

SPDT VXI Switching Module
Model VX412C

The VX412C is a C-size, register-based switching card, that provides 32 channels of 5 A, Form-C switching. User connection to the module is through two (2) DIN 41612 Type F48M connectors. Normally closed, normally open, and common terminals are provided for each of the non-latching relays. MODID and Board Select indicators are included. Module is equipped with BIT capability and shielding. The VX412C is a register-based, high-speed replacement for the obsolete Tektronix VX4357.

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, 200 VAC_{rms}

Maximum Switchable Current
(DC or AC $_{rms}$)
  Per Contact: 5 A
  Per Module: 50 A

Maximum Switchable Power
  Per Channel: 150 W, 1250 VA
  Per Module: 1500 W, 12500 VA

Closed Channel Resistance
  Initially ≤ 0.1 ohm (6Vdc @ 1 A)

Insulation Resistance
(Between any two points)
  >10^8 ohms

Relay Life (operations)
  No Load: 1 x 10^7
  250 Vac, 5 A, Resistive: 1 x 10^5

Relay Operate Time
  4 to 7 msec (typical)

Relay Release Time
  1 to 2 msec (typical)

Power Up/Down States
  Normally open contact is open

Power
  +5 V @ 1.0 A typical
  +12 V @ 1.5 A typical

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

Ordering Information
  VX412C: 11026205-0001
  Locking Connector Kit:
    Solder: 1102754-0001
    Crimp: 1102754-0002

1.0 - 2/03

The Racal Instruments and C&H Technologies policy is one of continuous development and consequently the equipment may vary in detail from the description and specification in this publication.