

Multiplexer Module

 1260-30 Configurable as any of the Following Two-wire Networks:

> One 1x40 multiplexer Two 1x20 multiplexers Four 1x10 multiplexers Eight 1x5 multiplexers

- 10MHz Bandwidth
- Switches up to 2A and 250V
- High Power Multiplexer
- Provides Circuit Pads for User Supplied Terminators

Racal Instruments 1260-30 is a high power scanner/multiplexer configurable as eight 1x5, four 1x10, two 1x20 or one 1x40 two-wire multiplexer networks. The 1260-30 is ideal for switch applications where multiple channels have to be scanned or multiplexed on to a common bus. As is the case in scanning UUT test points with a DMM or in continuity testing.

Relay coil current monitoring is available to provide confidence checking which gives the user assurance of proper relay operation.

Mounting holes associated with each channel permit installation of user supplied components.

The 1260-30 is controlled by the Option 01 message-based interface.



1260-30 PRODUCT SPECIFICATIONS

Maximum Switchable Voltage

(Terminal-Terminal or Terminal-Chassis) 220 VDC or 250 VACrms

Maximum Switchable Current Per Channel: 2ADC or 2Arms

Maximum Switchable Power Per Channel: 60WDC, 62.5VA

DC PERFORMANCE

Path Resistance

150 m Ω

Isolation

>10⁹Ω

AC PERFORMANCE (into 50Ω)

Capacitance

Open Channel: <40pF Channel-Chassis: <60pF High-Low: <280pF

Bandwidth (-3dB)

10MHz

Insertion Loss

100kHz: < 0.1dB 1MHz: < 0.1dB 10MHz: < 1.3dB

Crosstalk

100kHz: <-55dB 1MHz: <-45 dB 10MHz: <-30dB

VXIBUS INTERFACE DATA

Cooling Requirements

Airflow: 1.0 liters/sec
Backpressure: 0.05mm H₂0

With Option 01S/T Airflow: 2.0 liters/sec Backpressure: 0.2mm H₂ 0

Power Requirements

+5V: 0.4A (2.8A with Option 01

installed

+24V: 10mA per relay (energized)

Dimensions

C-size, Single-slot VXIbus Module

Weight

2.59 lb. (1.17 kg) without Option 01 2.87 lb. (1.29 kg) with Option 01

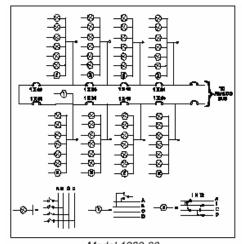
Typical Programming Syntax

Programming Syntax is in the form:

"<module address >.<group number><channel>" Example: CLOSE 3.309

This CLOSE statement will close relay number 9 in group number 3 on the 1260-30 at card address 3.

Note: Module is supplied with one set of mating connectors. Additional connectors can be ordered using the part number shown below



Model 1260-30 40 two-wire channels configured as eight 1x5 multiplexers

The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

ORDERING INFORMATION

MODEL/DESCRIPTION

Racal Instruments 1260-30A, 2-Wire, 1x40 Multiplexer
Racal Instruments 1260-30B, 2-Wire, Dual 1x20 Multiplexer
Racal Instruments 1260-30C, 2-Wire, Quad 1x10 Multiplexer
Racal Instruments 1260-30D, 2-Wire, Eight 1x5 Multiplexer
Racal Instruments Option 01*, Smart Card Module (installed)
50-Pin Connector Body Part (2 supplied)
50-Pin Connector Solder Type Pins (100 supplied)

PART NUMBER 404767-001 404767-002 404767-003 404767-004 OPT-401901-005

601855-050 601857

9099

9081

*One Option 01 must be ordered with switch system. Please specify the card on which Option 01 will be installed

The EADS North America Defense Test and Services policy is one of continuous development, consequently the equipment may vary in detail from the description and specification in this publication.



Insertion Tool

Extraction Tool

