Racal 1260-30A

Multiplexer VXI Module

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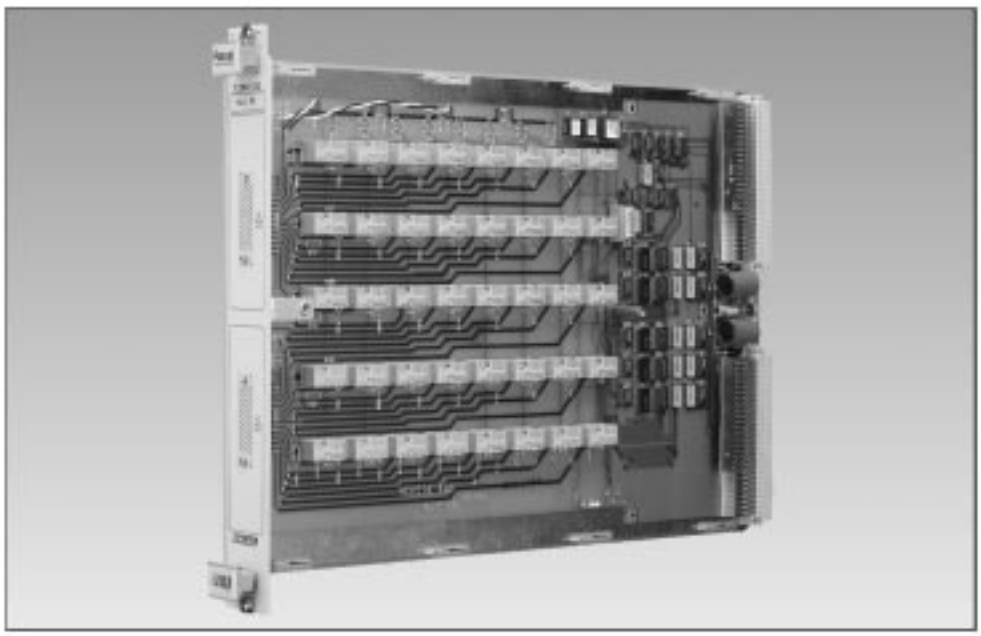
Multiplexer Module
Model 1260-30



- **1260-30 Configurable as Any of the Following Two-wire Networks:**
  - **One 1x40 multiplexer**
  - **Two 1x20 multiplexers**
  - **Four 1x10 multiplexers**
  - **Eight 1x5 multiplexers**
- **Switches up to 2A and 250V**
- **High Power Multiplexer**
- **Provides Circuit Pads for User Supplied Terminators**
- **10MHz Bandwidth**

The 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 which is explained in detail on the Smart Card Module page. All 1260 control features explained on that page are available to this module.

For your local Racal Instruments Sales Office see page 173.

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1260-30 Specifications

Maximum Switchable Voltage
(Terminal-Terminal or Terminal-Chassis)
220VDC or 250 VACrms
Maximum Switchable Current
Per Channel: 2ADC or 2Arms
Maximum Switchable Power
Per Channel: 60WDC, 62.5VA

DC PERFORMANCE

Path Resistance
150 mΩ
Isolation
$>10^9\Omega$

AC PERFORMANCE (into 50Ω)

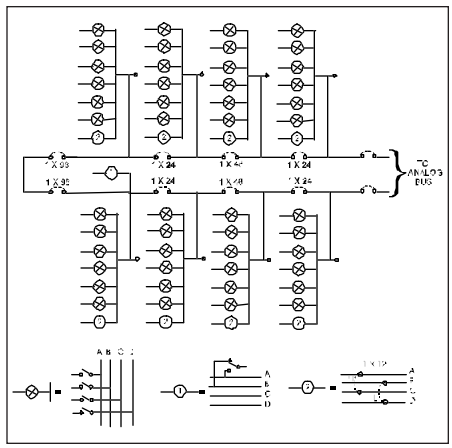
Capacitance
Open Channel: <40pF
Channel-Chassis: <60pF
High-Low: <280pF
Bandwidth (-3dB)
10MHz
Insertion Loss
100kHz: < 0.1dB
1MHz: < 0.1dB
10MHz: < 1.3dB
Crosstalk
100kHz: <-55dB
1MHz: <-45 dB
10MHz: <-30dB

VXIbus INTERFACE DATA

Cooling Requirements
Airflow: 1.0 liters/sec
Backpressure: 0.05mm H_20
With Option 01S/T
Airflow: 2.0 liters/sec
Backpressure: 0.2mm H_20
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.

CE 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.



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

ORDERING INFORMATION

Model	Description	Part Number
1260-30A	2-Wire, 1x40 Multiplexer	404767-001
1260-30B	2-Wire, Dual 1x20 Multiplexer	404767-002
1260-30C	2-Wire, Quad 1x10 Multiplexer	404767-003
1260-30D	2-Wire, Eight 1x5 Multiplexer	404767-004
Option 01*	Smart Card Module (installed)	OPT-401901-005
601855-050	50-Pin Connector Body Part (2 supplied)	601855-050
601857	50-Pin Connector Solder Type Pins (100 supplied)	601857
9099	Insertion Tool	9099
9081	Extraction Tool	9081

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

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VXI plug&play

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