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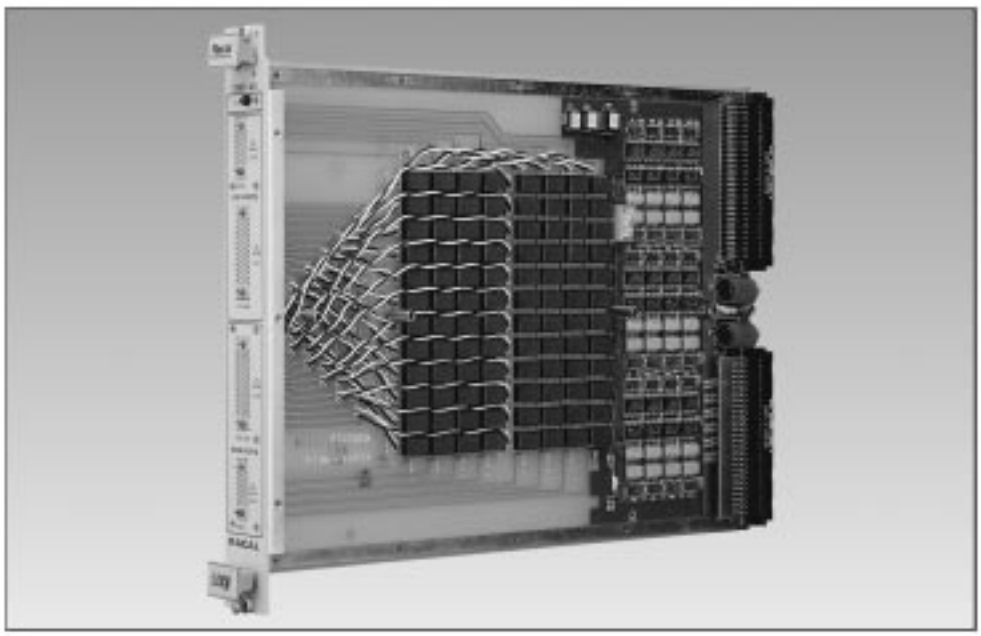
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Find the *Astronics / EADS / Racal 1260-40A* at our website: ***Click HERE***

Matrix Switch Module
Model 1260-40



- **Configurable as Any of the Following Matrices:**
  One 4x24 two-wire
  Two 4x12 two-wire
  One 8x12 two-wire
- **20MHz Bandwidth**
- **True Matrix**
- **Switches Signals up to 1A and 250 V**
- **Non-latching Relays (Open When Power is Lost)**

The 1260-40 module provides matrix switching in three configurations. The excellent bandwidth, isolation and crosstalk performance make it ideally suited to the most demanding applications requiring a true matrix.

The 1260-40 may be extended externally through use of expansion connectors located on the front panel. This allows larger matrices to be easily configured.

The 1260-40 utilizes relays at the row inputs of each one of the 4x16 matrix blocks. The guard relays are non-latching and revert to the open state when power is lost, therefore, disconnecting the signal paths to the UUT upon removal of power from the test station. This is an important consideration in ATE because when power is returned to the test station, the UUT is guaranteed not to receive any unwanted signals.

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

The 1260-40 is controlled by the Option 01 message-based interface which is explained in detail on the Smart Card Module page at the beginning of this section. All 1260 control features explained on that page are available to this module.

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1260-40 Specifications

Maximum Switchable Voltage
(Terminal-Terminal or Terminal-Chassis)
250 VDC or VACrms
Maximum Switchable Current
(DC or AC rms)
Per Channel: 1A
Maximum Switchable Power
Per Channel: 30WDC, 62.5VAC

DC PERFORMANCE

Path Resistance
<1Ω
Isolation
$>10^{10}\Omega$

AC PERFORMANCE (into 50Ω)

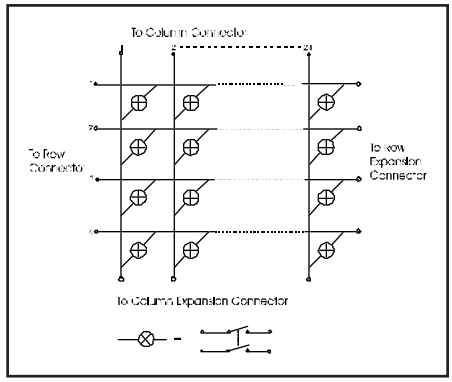
Capacitance
Open Channel: <10pF
Channel-Chassis: <70pF
High-Low: <40pF (typical)
Bandwidth (-3dB)
20MHz (typical)
Insertion Loss (50Ω Termination)
100kHz: <0.3dB
1MHz: <1.0dB
20MHz: <3.0dB
Crosstalk (50Ω Termination)
100kHz: <-70dB
1MHz: <-50dB
10MHz: <-20dB

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 (I_{pm})
+5V: 0.4A (2.8A with Option 01 installed)
+24V: 10 mA per relay (energized)
Weight
2.59 lb (1.17 kg) without Option 01
2.87 lb (1.29 kg) with Option 01
Dimensions
C-size, Single-slot VXIbus Module
Switch Configuration
-40A - one 4x24 2-wire matrix
-40B - one 8x12 2-wire matrix
-40C - two 4x12 2-wire matrices
Typical Programming Syntax
Programming syntax is in the form:
"<module address>.<group>.<row><column>"
Example: CLOSE 3.0205
This CLOSE statement will close the relay in group 0, row 2 and column 5 on the 1260-40 at card address 3.

Note: Module is supplied with one set of mating connectors. Additional connectors can be ordered using the part numbers 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 1260-40
96 two-wire crosspoints configured as two 4x12 matrices.

ORDERING INFORMATION

Model	Description	Part Number
1260-40A	2-Wire, 4x24 Matrix	404775-001
1260-40B	2-Wire, 8x12 Matrix	404775-002
1260-40C	2-Wire, Dual 4x12 Matrix	404775-003
Option 01*	Smart Card Module (installed)	OPT-401901-005
601855-020	20-Pin User Connector Body Part (2 supplied)	601855-020
601855-050	50-Pin User Connector Body (2 supplied)	601855-050
601857	Solder Type Pins (140 supplied)	601857
9099-1	Insertion Tool	9099-1
9081-1	Extraction Tool	9081-1

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

WORLDWIDE SUPPORT

http://www.racalinst.com

LLOYD'S REGISTER QUALITY ASSURANCE ISO9001

VXI plug&play

For your local Racal Instruments Sales Office see page 173.

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