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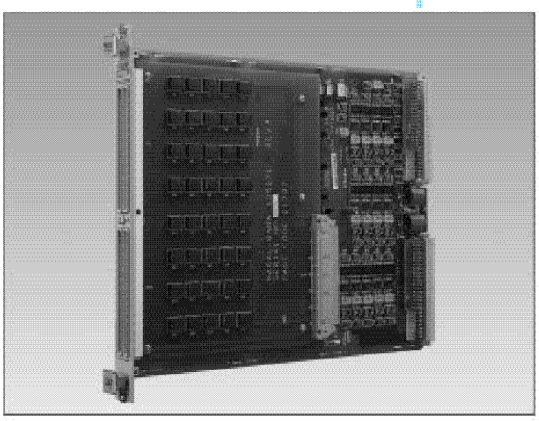
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Find the *Astronics / EADS / Racal 1260-37A* at our website: *Click HERE*

RACAL INSTRUMENTS™ 1260-37



Combination SPDT/Multiplexer

- **Ideal for General-purpose Switching and Multiplexing**
- **Switches Signals up to 1A and 250VDC or ACrms**
- **Easily Configured to Meet User-defined Network Requirements**
- **40 SPDT and 8 1x6 MUX**

Racal Instruments 1260-37 contains 40 Form C (SPDT) switches and eight 1x6 multiplexers.

The multiplexers can be expanded using the on-board jumpers to four 1x12, two 1x24 or one 1x48 two-wire channels.

The module's unique combination of a signal multiplexer and independent switch channels provides for a significant portion of your switching needs in a single VXI slot and saves valuable space within your chassis.

Relay coils are monitored to provide user selectable confidence checking which gives the user additional assurance of proper relay operation. The 1260-37 is controlled by the Option 01 message-based interface.

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EADS NORTH AMERICA DEFENSE

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1260-37 PRODUCT SPECIFICATIONS

Maximum Switchable Voltage
(Terminal-Terminal or Terminal-Chassis)
250VDC or ACrms

Maximum Switchable Current
Per Channel: 1ADC or ACrms

Maximum Switchable Power
Per Channel: 30WDC, 62.5VA

DC PERFORMANCE

Closed Channel Resistance
<0.5 ohms (SPDT Channel or 1x6 Channel)

AC PERFORMANCE (into 50Ω)

Capacitance
Open Channel: <50pF
(SPDT or 1x6 Channel)

Bandwidth (-3dB)
35MHz (SPDT Channel)
35MHz (1x6 Channel)

Crosstalk
100KHz (1x6 Channel) <-40dB
100KHz (SPDT Channel) <-40dB

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

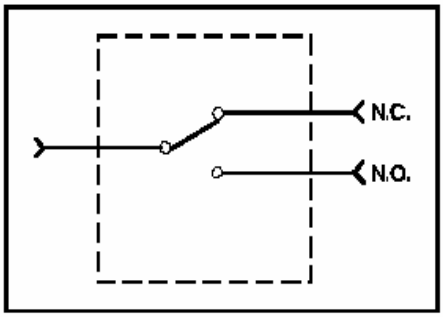
Power Requirements
+5V: 0.4A (2.8A with Option 01 installed)

Dimensions
C-size, Single-slot VXIbus Module

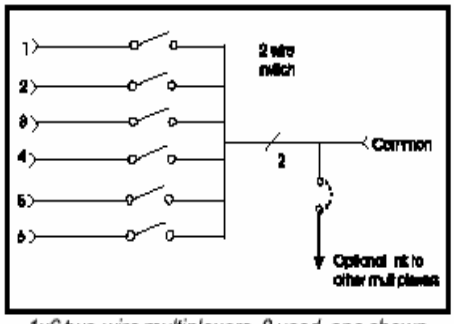
Weight
3.07 lb. (1.38 kg) without Option 01
3.35 lb. (1.51 kg) with Option 01

Typical Programming Syntax
Programming Syntax is in the form: "<module address >.<channel>"
Example: CLOSE 2.21
This CLOSE statement will close relay number 21 on the 1260-37 at card address 2.

Note: Module is supplied with one set of mating connectors. Additional connectors can be ordered using the part number shown below. This module has two options: IDC (ribbon cable) or Crimp (discrete wire connectors).



40 independent relays. One channel is shown.



1x6 two-wire multiplexers, 8 used, one shown.

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	PART NUMBER
Racal Instruments 1260-37, Multiplexer / SPDT Module w/IDC connector	407353
Racal Instruments 1260-37A, Multiplexer / SPDT Module w/Crimp connector	407353-001
Racal Instruments Option 01, Smart Card Module (installed)	OPT-401901-005
64-pin Din Connector IDC (4 supplied)	602004
64-pin Din Connector Crimp Body (4 supplied with -A)	602159-064
64-pin Din Connector Crimp Pin (256 supplied with -A)	602159-900
Crimp Tool for 602159-900	990897
Insertion Tool for 602159-900	990898
Extraction Tool for 602159-900	990899

*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.

EADS North America Defense Test and Services
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