

## 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.

# 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<sub>2</sub>O

With Option 01S/T

Airflow: 2.0 liters/sec  
Backpressure: 0.2mm H<sub>2</sub>O

### 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

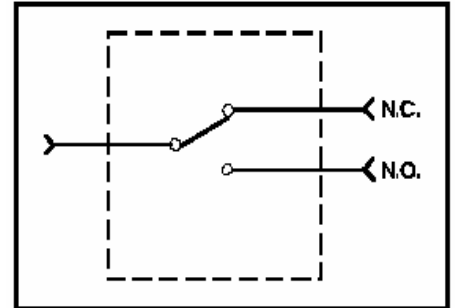
### Typical Programming Syntax

Programming Syntax is in the form:  
"<module address >.<channel>"

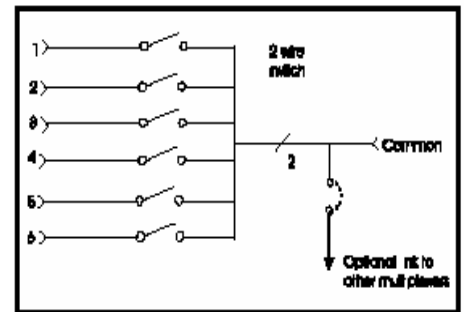
Example: CLOSE 2.21

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.

**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.

## ORDERING INFORMATION

### MODEL/DESCRIPTION

Racal Instruments 1260-37, Multiplexer / SPDT Module w/IDC connector  
Racal Instruments 1260-37A, Multiplexer / SPDT Module w/Crimp connector  
Racal Instruments Option 01, Smart Card Module (installed)  
64-pin Din Connector IDC (4 supplied)  
64-pin Din Connector Crimp Body (4 supplied with -A)  
64-pin Din Connector Crimp Pin (256 supplied with -A)  
Crimp Tool for 602159-900  
Insertion Tool for 602159-900  
Extraction Tool for 602159-900

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

### PART NUMBER

407353  
407353-001  
OPT-401901-005  
602004  
602159-064  
602159-900  
990897  
990898  
990899

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**  
1.800.722.2528/1.949.859.8999 sales@eads-nadefense.com