

Racal Instruments™

1260-37/37A

Combination SPDT/Multiplexer

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

Key Features

- Ideal for general-purpose switching and multiplexing
- Switches signals up to 1 A and 250 VDC or AC_{rms}
- Easily configured to meet user-defined network requirements
- 40 SPDT and 8 1x6 MUX

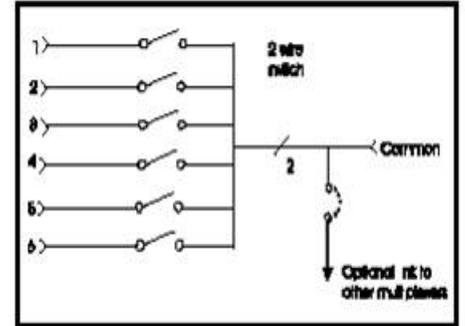
Product Information

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

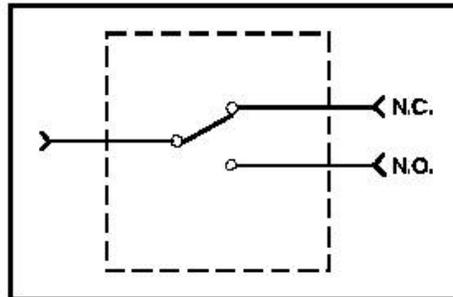
The module's unique combination of a signal multiplexer and independent switch channels provides for a significant portion of your switching needs in a single VXI slot and saves valuable space within your chassis.

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 Racal Instruments™ Option 01 message-based interface, or the Option 01T message-based and register-based interface.



1x6 2-wire multiplexers, 8 used, 1 shown.



40 independent relays. 1 channel is shown.

Specifications

Note: The Astronics Test Systems policy is one of continuous development and improvement. Consequently, the equipment may vary in detail from the description and specifications in this publication.

Maximum Switchable Voltage (Terminal-Terminal or Terminal-Chassis)

- 250 VDC or AC_{rms}

Maximum Switchable Current

- Per Channel: 1 ADC or AC_{rms}

Maximum Switchable Power

- Per Channel: 30 WDC, 62.5 VA

DC Performance

Closed Channel Resistance

- <0.5 Ω (SPDT Channel or 1 x 6 Channel)

AC Performance (Into 50 Ω)

Capacitance

- Open Channel: <50 pF
- (SPDT or 1 x 6 Channel)

Bandwidth (-3 dB)

- 35 MHz (SPDT Channel)
- 35 MHz (1 x 6 Channel)

Crosstalk

- 100 kHz (1 x 6 Channel) <-40 dB
- 100 kHz (SPDT Channel) <-40 dB

Interface

Power Requirements

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

Mechanical

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

Cooling Requirements

- Without Option 01/01T
 - Airflow: 1.0 l/s
 - Backpressure: 0.05 mm H₂O
- With Option 01/01T
 - Airflow: 2.0 l/s
 - Backpressure: 0.2 mm H₂O



Ordering Information

Notes: Compatible smart controllers: A smart card must be installed in the left-most slot of a set of 1260-xx series switch cards. There are two options:

- Option 01: Native command set. For use in previously designed switching systems that used the Option 01.
- Option 01T: SCPI command set. For use in new systems and previously designed systems that used the Option 01T.

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).

407353 : Racal Instruments™ 1260-37

Multiplexer/SPDT Module w/IDC connector

407353-001 : Racal Instruments™ 1260-37A

Multiplexer/SPDT Module w/Crimp connector

Options and Accessories:

OPT-401901-005 : Racal Instruments™ Option 01, Smart Control Module installed (manual must be ordered separately; see below)

404820-005 : Racal Instruments™ Option 01, Smart Control Module (not installed) with manual

OPT-405108-001 : Racal Instruments™ Option 01T Smart Control Module installed (manual must be ordered separately; see below)

407531-001 : Racal Instruments™ Option 01T Smart Control Module (not installed) with manual

407207 : Bracket Retainer Kit for CRIMP only

602004 : 64-Pin DIN Connector IDC (4 supplied)

602159-064 : 64-Pin DIN Crimp Connector Body (4 supplied with -A)

602159-900 : DIN Crimp Pins for 64-Pin Connector Body (256 supplied with -A)

990897 : Crimp Tool

990898 : Insertion Tool

990899 : Extraction Tool



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