

High-Density Switch Module

- ◆ **Ideal for General-purpose Switching up to 60MHz**
- ◆ **Switches Signals up to 1A and 250 VDC or VACrms**
- ◆ **Easily Configured to Meet User-defined Network Requirements**
- ◆ **Extremely High-density Module – 80 SPDT Switches**

Racal Instruments 1260-17 is an 80-channel, Form C (SPDT) switch module. This module is designed for general purpose switching and external device actuation. Each channel may be configured individually, or several channels may be linked to configure custom networks. The 1260-17 permits switching up to 1 amp and 250VDC or VACrms per channel. The large number of channels on this module allow a significant portion of any switching configuration to be realized in a single slot, thus saving valuable space..

Relay contacts are monitored to provide user selectable confidence checking. This gives the user the additional assurance of proper relay operation.

The 1260-17 is controlled by the Option 01 message-based interface which is explained in detail on the Option 01T data sheet.

1260-17 PRODUCT SPECIFICATIONS

Maximum Switchable Voltage

(Terminal-Terminal or Terminal-Chassis)
250VDC or VACrms

Maximum Switchable Current

Per Channel: 1A DC or ACrms

Maximum Switchable Power

Per Channel: 30WDC, 62.5VA

DC PERFORMANCE

Path Resistance

<0.5 Ω

Isolation

>2 x 10⁹ Ω

Thermal EMF

<10 μ V

AC PERFORMANCE (into 50 Ω)

Capacitance

Input to Output: <10pF

Bandwidth (-3dB)

>60MHz

Insertion Loss

100kHz: <0.1dB

1MHz: <0.5dB

10MHz: <1.0dB

Isolation

10MHz: <-30dB

Crosstalk

100kHz: <-45dB

1MHz: <-40dB

10MHz: <-35dB

VXIBUS INTERFACE DATA

Cooling Requirements

Airflow: 1.0 liters/sec

Backpressure: 0.05mm H₂O

With Option 01S/T

Airflow: 2.0 liters/sec

Backpressure: 0.2mm H₂O

Power Requirements (I_{pm})

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

Weight

2.97 lb. (1.34 kg) without Option 01

3.25 lb. (1.48 kg) with Option 01

Dimensions

C-size, Single-slot VXIbus Module

Typical Programming Syntax

Programming Syntax is in the form:

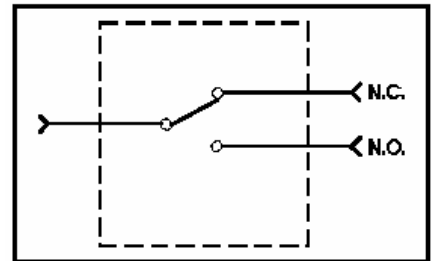
"<module address >.<channel>"

Example: CLOSE 2.49

This CLOSE statement will close
relay number 49 on the 1260-17 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).



Model 1260-17

80 independent relays. One channel is shown.

ORDERING INFORMATION

MODEL/DESCRIPTION

Racal Instruments 1260-17, 80-channel SPDT Switch w/IDC

Racal Instruments 1260-17A, 80-channel SPDT Switch w/crimp connector

PART NUMBER

407165

407165-001

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.



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