

Racal 1260-13

Signal Switch/Relay Activator



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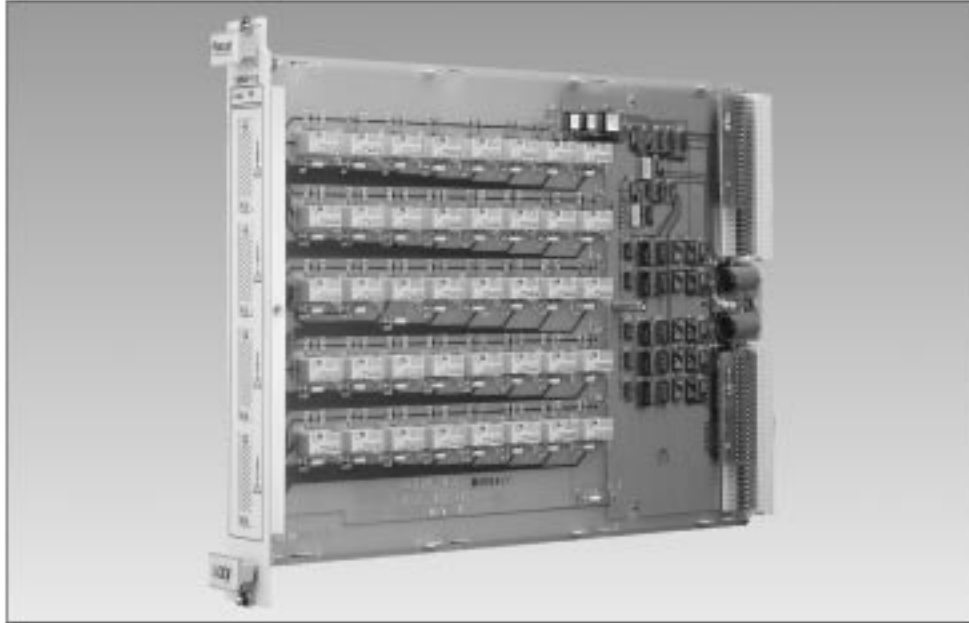
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SWITCHING

Signal Switch/Relay Actuator Model 1260-13



- Ideal for General Purpose Switching and Control of External Devices
- Easily Configured to Meet User-defined Network Requirements
- Each Channel Switches up to 2A and 220VDC or 250VACrms
- Configured as 40 Channels Independent DPST Switches
- Channels Switch Jointly or Independently

The 1260-13 is designed for general purpose signal switching and control of external devices. The module provides forty channels of DPST switches. It features separate connections to both sides of the relay contact permitting each channel to be joined with others or to function independently. Custom relay switch networks may be configured with some relays while all remaining channels continue independent operation.

The 1260-13 can switch up to 2 amps and 220VDC or 250VACrms per channel. Each channel features mounting holes to allow the addition of series and shunt elements such as arc suppressors, fuses, filters, etc.

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

The 1260-13 is controlled by the Option 01 message-based interface which is explained in detail on the Smart Card Module page. All 1260 control features explained on the Option 01 page are available to this module.

1260-13 Specifications

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

220VDC or 250VACrms

Maximum Switchable Current

(DC or AC rms)

Per Channel: 2A

Maximum Switchable Power

Per Channel: 60WDC, 62.5VA

DC PERFORMANCE

Path Resistance

300mΩ at 2A

Isolation

>10⁹Ω

AC PERFORMANCE (into 50Ω)

Capacitance

Open Channel: <50pF

Channel-Chassis: <50pF

High-Low: <80 pF

Bandwidth (-3dB)

50MHz typical

Insertion Loss

100kHz: <0.2dB

1MHz: <0.3dB

10MHz: <0.5dB

Crosstalk

100kHz: <-70dB

1MHz: <-50dB

10MHz: <-25dB

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 Opt. 01 installed)

+24V: 10 mA per relay (energized)

Dimensions

C-size, Single-slot VXIbus Module

Weight

2.77 lb (1.25 kg) without Option 01

3.05 lb (1.39 kg) with Option 01

Typical Programming Syntax

Programming syntax is in the form:

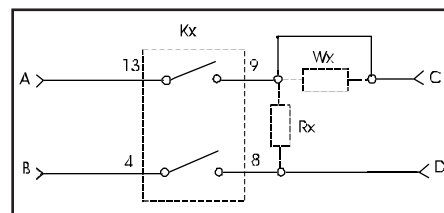
"<module address>.<channel>"

Example: CLOSE 3.03

This CLOSE statement will close channel number 3 on the 1260-13 module 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 1260-13
Forty independent relay channels. One channel is shown.

ORDERING INFORMATION

Model	Description	Part Number
1260-13	40 Channel, DPST	404941
Option 01*	Smart Card Module (installed)	OPT-401901-005
601855-050	50-Pin User Connector Body Part (4 supplied)	601855-050
601857	User Connector Solder Type Pins (200 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.		



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