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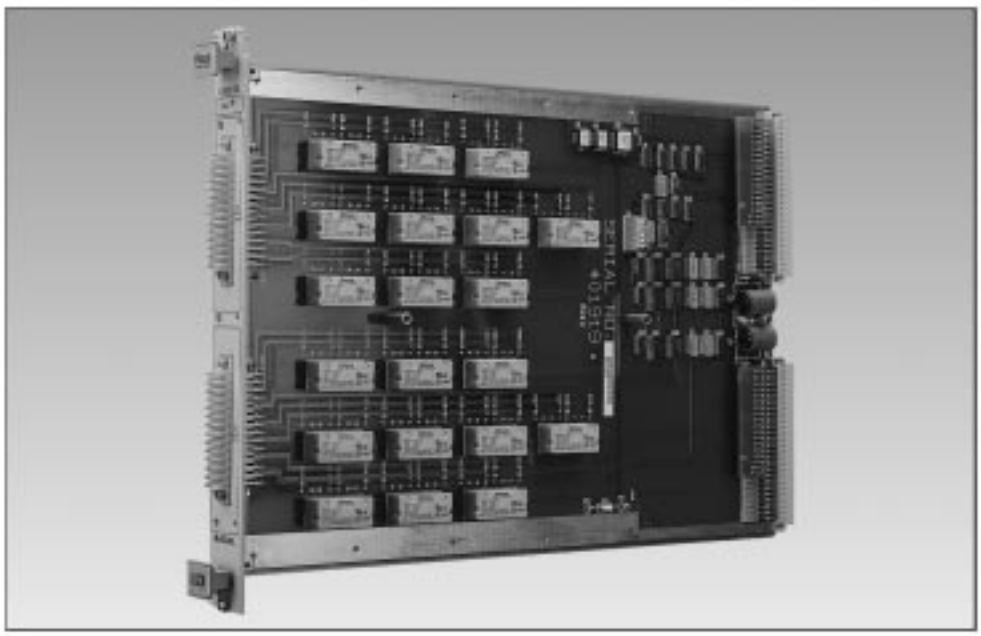
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Find the *Astronics / EADS / Racal 1260-20 / 1260-20B* at our website: ***Click HERE***

Power Switch Module
Model 1260-20



- **Provides Switching for AC or DC Power Supplies and Current Sources**
- **Power Switch Networks May Be Configured from 20 Independent DPST Relays**
- **Switches up to 8 Amps at 250 VACrms or 5 Amps at 48VDC**
- **Carry Current up to 10 Amps**
- **Configured as 20 DPST Relays**

Model 1260-20 is designed for high-current switching of AC line power, DC power supplies and AC or DC current sources. Power switch networks may be configured from twenty independent DPST switches. Up to 8 A at 250 VACrms or 5 A at 48 VDC may be switched through each two-wire channel.

Separate connections to both sides of the relay contacts permit each channel to function independently or to be configured as custom networks. Each channel features mounting holes for installation of series and shunt elements to serve as arc suppressors, filters, etc.

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

The 1260-20 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 that page are available to this module.

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1260-20 Specifications

Maximum Switchable Voltage
(Terminal-Terminal or Terminal-Chassis)
250VDC or ACrms , 380VAC peak

Maximum Switchable Current
(DC or ACrms)
Per Channel: 8A
Per Module: 160A

Maximum Switchable Power
Per Terminal: 150 WDC, 2000VA

DC PERFORMANCE

Path Resistance
150mΩ maximum at 5 ADC
50mΩ typical

Isolation
$>10^9\Omega$

AC PERFORMANCE (into 50Ω)

Capacitance
Open Channel: <20pF
Channel-Chassis: <20pF
High-Low: <50pF

Bandwidth (-3dB)
30MHz (50Ω termination)

Insertion Loss
100kHz: < 0.1dB
1MHz: < 0.1dB
10MHz: < 1.5dB

Crosstalk
100kHz: < -60dB
1MHz: < -40dB
10MHz: < -20dB

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 (I_{pm})
+5V: 0.4A (2.8A with Option 01 installed)
+24V: 10 mA per relay (energized)

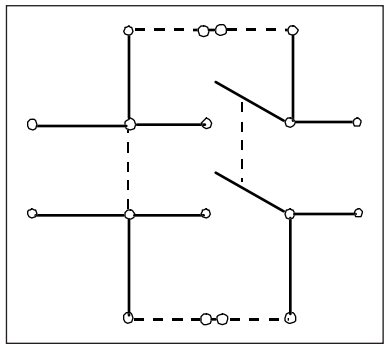
Weight
2.56 lb (1.15 kg) without Option 01
2.84 lb (1.28 kg) with Option 01

Dimensions
C-size, Single-slot VXIbus Module

Typical Programming Syntax
Programming syntax is in the form: "<module address>.<channel number>"
Example: CLOSE 3.04
This CLOSE statement will close channel number 4 on the 1260-20 at the 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 1260-20
Twenty independent relays. One channel is shown, with provision for addition of series and shunt elements.

ORDERING INFORMATION

Model	Description	Part Number
1260-20	20 Channel, DSPT, 250 V, 8A Switch	404773
Option 01 *	Smart Card Module (installed)	OPT-401901-005
601850	41-Pin Connector Body Part (2 supplied)	601850
601849	41-Pin User Connector Solder Type Pins (82 supplied)	601849
9099	Insertion Tool	9099
9081	Extraction Tool	9081
602089-001	Crimp Type Pins	602089-001

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

WORLDWIDE SUPPORT

http://www.racalinst.com

LLOYD'S REGISTER QUALITY ASSURANCE ISO9001

VXI plug&play

For your local Racal Instruments Sales Office see page 173.

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