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Find the *Astronics / EADS / Racal 1260-131B* at our website: ***Click HERE***

RACAL INSTRUMENTS™ 1260-131A/B



High-Density Multiplexer Plug-In

- **Twenty-Six SP4T's**
- **200 MHz Bandwidth**
- **Switches up to 2 A**
- **Standard Adapt-a-Switch® Plug-In Designed for Ease of Replacement**
- **Ideal for Single-ended Audio, Video, Telecom, or General-Purpose Switching**

Racal Instruments 1260-131A/B is a general-purpose, SP4T binary tree with a 200MHz bandwidth (-3dB). The1-Amp "A" version is for lower density/cost. It has 10 channels of SP4T and uses a low cost IDC style DIN connector, so the interface cabling can be either crimp and poke or ribbon style. The 2 Amp "B" version is for higher density applications and it has 26 channels of SP4T.

Designed for the Adapt-a-Switch® platform, this plug-in installs easily and directly from the front panel into the Adapt-a-Switch® VXIbus Carrier, Racal Instruments 1260-100 or 1260-101, or Racal Instruments 1256 GPIB/Ethernet Switching System. Please refer to the corresponding literature for specifications and product features.

When multiple 1260-131 units are used in the 1260-100, up to 156 SP4T channels are available, and when used in the 1256 switching system up to 208 SP4T channels are available, The 1260-131A/B is ideal for general purpose switching or can be mixed and matched with other cards in the 1260-1XX family to create application specific configurations.

Racal Instruments Option-01T interface (for VXI) controls the 1260-131A/BA using either register-based or message-based commands. The 1256 (for GPIB/Ethernet) supports message-based operations. Refer to the Option-01T/1256 literature for more information about product specifications and features such as include, exclude scan lists, user-defined path names and reset states

Racal Instruments Adapt-a-Switch® series includes VXIplug&play support of WIN98/NT/2000/XP frameworks, including drivers for LabWindows/CVI and LabVIEW for VXI applications.

EADS NORTH AMERICA DEFENSE

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1260-131A/B PRODUCT SPECIFICATIONS

INPUT

Maximum Switching Voltage
300 VDC or 300 VAC

Maximum Switching Current
2 ADC or 2 AAC, 1260-131B
1 ADC or 1 AAC, 1260-131A

Maximum Switching Power
60 W, 125 VA, 1260-131B
30 W, 125 VA, 1260-131A

DC PERFORMANCE

Initial Path Resistance
≤ 400 mΩ

Thermal EMF
≤ 6 µV

Insulation Resistance
≥ 109 Ω

AC PERFORMANCE

Bandwidth (-3 dB, 50 Ω)
≥ 200 MHz

Insertion Loss (50 Ω)
1 MHz: ≤ 0.1 dB
10 MHz: ≤ 0.2 dB

Isolation (50 Ω)
1 MHz: ≥ 60 dB
10 MHz: ≥40 dB

Crosstalk (50 Ω)
1 MHz: ≤ - 60 dB
10 MHz: ≤ - 40 dB

Capacitance
Channel-Ground: ≤ 60 pF
Open Channel: ≤ 5 pF

INTERFACE DATA

Cooling
See 1260-100 or 1256 Cooling data

Power Requirements
+5VDC at 150 mA plus 30 mA per energized relay (1.7 A max)

ENVIRONMENTAL DATA

Temperature
Operating: 0°C to 55°C
Storage: -40°C to 75°C:

Relative Humidity
85% ±5% non-condensing, ≤ 30°C

Altitude
Operating: 10,000 ft.
Non-Operating: 15,000

Shock
30 g, 11 ms, 1/2 sine wave

Vibration
0.013 in.: pk-pk, 5-55 Hz

Bench Handling
4-inch drop at 45°

EMC

EN61326:1997+A1:1998, Class A

SAFETY

EN61010-1:1993+A2:1995

RELIABILITY

Switching Time
≤ 3 ms (includes settling time)

Rated Switch Operations
Mechanical: 1 x 10^8
Electrical: 1 x 10^6 @ 50 V, 0.1 A
1 x 10^6 @ 10 V, 10 mA

MTBF (not including relays)
822,885 hours (MIL-STD-217E)

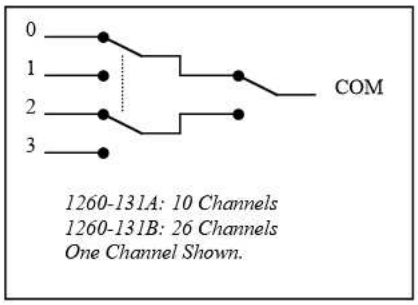
MTTR
≤ 5 min

MECHANICAL

Weight
1260-131B: 9 oz. (0.26 kg.)
1260-131A: 6 oz. (0.17 kg.)

Dimensions
4.5" H x 0.75"W x 9.5" D

Front Panel I/O Interface Connector
1260-131B: 1-160 pin DIN
1260-131A: 1- 64 pin DIN



1260-131A: 10 Channels
1260-131B: 26 Channels
One Channel 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	PART NUMBER
Racal Instruments 1260-131B, Adapt-a-Switch Module, 26-1x4 One-wire Muxes, 2A	407812-002
64-pin DIN IDC Connector	602004
64-pin DIN Crimp Connector Body	602159-064
64-pin DIN Crimp Pins	602159-900
160-pin Connector Kit w/pins	407664
160-pin Cable Assembly, 6ft., 24 AWG	407408-001

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.

EADS North America Defense Test and Services
1.800.722.2528/1.949.859.8999 sales@eads-nadefense.com

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