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Data Sheet

August 13, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1260-17 High-Density Switch Module

Astronics / EADS / Racal 1260-17 80-Channel SPDT FormC Switch Module (IDC) The Astronics / EADS / Racal 1260-17 is a single-slot C-size VXIbus high-density general-purpose switch module with 80 independent Form C (SPDT) channels using IDC ribbon-style user connectors. It is the IDC counterpart to the 1260-17A crimp discrete-wire version. Each channel switches up to 1 A and 250 VDC or VACrms with 30 W DC / 62.5 VA AC power. Bandwidth exceeds 60 MHz. Relay contact monitoring supports confidence checking. Control is via Option 01 or Option 01T. The Astronics / EADS / Racal 1260-17 is a single-slot C-size VXIbus high-density general-purpose switch module with 80 independent Form C (SPDT) channels using IDC ribbon-style user connectors. It is the IDC counterpart to the 1260-17A crimp discrete-wire version. Each channel switches up to 1 A and 250 VDC or VACrms with 30 W DC / 62.5 VA AC power. Bandwidth exceeds 60 MHz. Relay contact monitoring supports confidence checking. Control is via Option 01 or Option 01T. General-purpose VXI switching and device actuation; custom relay networks in a single slot; high-density SPDT signal routing up to about 60 MHz; ATE fixtures preferring IDC ribbon terminations.



MODEL

**Astronics / EADS /
Racal 1260-17**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1260-17

LISTING

<https://aumictechlabs.com/products/1260-17-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Racal 1260-17 is an 80-channel, Form C (SPDT) high-density switch module built for VXI platforms. It handles signal routing and external device actuation from DC through 60 MHz, delivering reliable switching across aerospace, defense, and industrial test environments. The module supports up to 250 VDC or VAC rms per channel at 1 A maximum current, with 30 W DC or 62.5 VA AC power capacity. Path resistance remains below 0.5 Ω while isolation exceeds $2 \times 10^9 \Omega$, ensuring minimal crosstalk and signal degradation. AC performance into 50 Ω shows insertion loss under 0.1 dB at 100 kHz, rising to less than 1.0 dB at 10 MHz, with isolation better than -30 dB at 10 MHz. Thermal EMF stays below 10 μ V. Technical Specifications Channels: 80 Form C (SPDT) Switchable Voltage: Up to 250 VDC or VAC rms (terminal-to-terminal or terminal-to-chassis) Switchable Current: Up to 1 A per channel (DC or AC rms) Switchable Power: 30 W DC or 62.5 VA per channel Bandwidth: > 60 MHz (-3 dB) Path Resistance: $2 \times 10^9 \Omega$ (DC); < -30 dB (10 MHz) Thermal EMF: < 10 μ V Input/Output Capacitance: < 10 pF Insertion Loss: < 0.1 dB (100 kHz), < 0.5 dB (1 MHz), < 1.0 dB (10 MHz) Crosstalk: < -45 dB (100 kHz), < -40 dB (1 MHz), < -35 dB (10 MHz) Key Features Message-based or register-based control interfaces Relay contact confidence checking with user-selectable options 64-pin IDC quick-disconnect connector IDC ribbon cable or discrete wire connector options Requires compatible smart controller (Option 01 native command set or Option 01T SCPI command set) Airflow requirement: 1.0 liters/sec Typical Applications Aerospace and defense test systems Industrial signal routing and device actuation High-frequency general-purpose switching Multi-channel signal management in VXI test racks Compatibility & Integration Designed for VXI platform integration. Controlled via Racal Instruments Option 01 message-based interface or Option 01T with both message-based and register-based control modes. One set of mating connectors supplied.

Features & description

From manufacturer datasheet

Features

- 80 independent Form C (SPDT) relays

1260 Characteristics / Specifications

PARAMETER	VALUE
Model	1260-17
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	80-channel SPDT FormCVXI switch module
Form Factor	C-size, single-slot VXI
Channels	80 SPDT FormC Connector Style: IDC ribbon (vs crimp discrete-wire on 1260-17A)
Maximum Switchable Voltage	250 VDC or VACrms
Maximum Switchable Current	1 A DC or ACrms per channel
Maximum Switchable Power	30 W DC, 62.5 VA AC per channel
Path Resistance	less than 0.5 ohm
Isolation DC	greater than 2e9 ohm
Thermal EMF	less than 10 uV
Insertion Loss 100 kHz	less than 0.1 dB
Insertion Loss 1 MHz	less than 0.5 dB
Insertion Loss 10 MHz	less than 1.0 dB
Isolation 10 MHz	less than -30 dB
Crosstalk 100 kHz	less than -45 dB
Crosstalk 1 MHz	less than -40 dB
Crosstalk 10 MHz	less than -35 dB
Capacitance Input to Output	less than 10 pF
Ordering	407165 (1260-17 IDC); 407165-001 (1260-17A crimp)
Weight	about 2.97 lb without Option 01/01T; 3.25 lb with
Control	Option 01 or Option 01T
MTBF	about 216998 hrs (datasheet) Notes Specs from Astronics 1260-17/17A datasheet. Confirm faceplate 17 (IDC) vs 17A (crimp). Do not interchange connector kits between 17 and 17A without verifying pinout and strain relief.

PARAMETER

VALUE

Bandwidth

exceeds 60 MHz. Relay contact monitoring supports confidence checking. Control is via Option 01 or Option 01T.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Form Factor	C-size, single-slot VXI
Channels	80 SPDT FormC Connector Style: IDC ribbon (vs crimp discrete-wire on 1260-17A)
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PARAMETER	VALUE
Maximum Switchable Current	1 A DC or ACrms per channel
Maximum Switchable Power	30 W DC, 62.5 VA AC per channel
Path Resistance	less than 0.5 ohm
Isolation DC: greater than 2e9 ohm	
Thermal EMF: less than 10 uV	
Bandwidth (-3 dB): greater than 60 MHz	
Specifications	
PARAMETER	VALUE
Insertion Loss 100 kHz	less than 0.1 dB
Insertion Loss 1 MHz	less than 0.5 dB
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Specifications	

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Isolation 10 MHz	less than -30 dB
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Weight	about 2.97 lb without Option 01/01T; 3.25 lb with
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Notes
Specs from Astronics 1260-17/17A datasheet. Confirm faceplate 17 (IDC) vs 17A (crimp). Do not interchange connector kits between 17 and 17A without verifying pinout and strain relief.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.