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Data Sheet

August 2, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1250-20 Power Switching Module with Terminal Block

Astronics / EADS / Racal 1250-20 Power Switching Module with Terminal Block The Astronics / EADS / Racal 1250-20 isapower switching module in the Racal 1250 Universal Switch Controller / programmable switching family. It provides ten independent DPST relays for switching AC or DC power supplies and current sources. Switching networks may be built from the ten relays using separate connections to both sides of each relay. Relay contact monitoring provides user-selectable confidence checking. A fused +13 VDC supply is available for driving external relays. The module is commonly supplied withafield-wiring terminal block (part 404381 class). The Astronics / EADS / Racal 1250-20 isapower switching module in the Racal 1250 Universal Switch Controller / programmable switching family. It provides ten independent DPST relays for switching AC or DC power supplies and current sources. Switching networks may be built from the ten relays using separate connections to both sides of each relay. Relay contact monitoring provides user-selectable confidence checking. A fused +13 VDC supply is available for driving external relays. The module is commonly supplied withafield-wiring terminal block (part 404381 class). AC/DC power and current-source switching in 1250 GPIB/programmable switching systems; configurable power networks from independent DPST relays; driving external relays from on-modul



MODEL

**Astronics / EADS /
Racal 1250-20**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1250-20

LISTING

[https://aumictechlabs.c
om/products/1250-20-
2/](https://aumictechlabs.com/products/1250-20-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics / EADS / Racal 1250-20 is a modular power switching module designed to manage and distribute AC or DC power within test systems and electronic equipment. It integrates ten independent Double Pole Single Throw (DPST) relays capable of switching up to 8 A at 250 VAC rms or up to 5 A at 48 VDC, making it suitable for industrial and aerospace applications requiring reliable power control.

Technical Specifications

- Relay Configuration: 10 independent DPST relays
- AC Switching: Up to 8 A rms at 250 VAC rms
- DC Switching: Up to 5 A at 48 VDC
- Auxiliary Supply: Fused +13 VDC for external relay drive
- Contact Monitoring: User-selectable confidence checking
- Channel Architecture: Separate connections to both sides of each relay contact for independent operation or custom network configuration

Key Features

- Terminal block for simplified field connections
- Per-channel mounting holes for arc suppressors, filters, and other external components
- Relay contact monitoring with selectable verification
- Modular design compatible with the Racal 1250 Universal Switch Controller mainframe
- Fused auxiliary DC supply eliminates external power distribution complexity

Typical Applications

- Manual test systems requiring multi-channel AC/DC power switching
- Automatic test equipment with relay-based signal routing
- Industrial control and monitoring systems
- Aerospace test benches and validation platforms

Compatibility & Integration

The 1250-20 operates as a dedicated switching module within the Racal 1250 Universal Switch Controller series. It integrates directly into the controller mainframe without additional adapters. Separate relay contact connections allow flexible configuration for series, parallel, or independent switching topologies. The integrated terminal block simplifies wiring and reduces integration time in both bench and production test environments.

Features & description

From manufacturer datasheet

Features

- Ten independent DPST power relays
- Switches up to 8 A at 250 VAC rms or 5 A at 48 VDC (OEM listing)
- Relay contact monitoring / confidence checking
- Fused +13 VDC external relay drive supply
- Mounting provisions for arc suppressors/filters per channel
- Part of 1250 Universal Switch Controller family
- Often supplied with terminal block for field wiring

1250 Characteristics / Specifications

PARAMETER	VALUE
Model	1250-20
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	Power switching module (1250 series)
Relay Configuration	ten independent DPST
Max Switching	8 A at 250 VAC rms; 5 A at 48 VDC (dealer/OEM listing)
Auxiliary Supply	fused +13 VDC for external relay drive
Monitoring	relay contact monitoring with selectable confidence check
Ordering	401757 (module card); 404381 (terminal block, typical kit)
Host System	Racal 1250 / 1251 programmable switching family Standard Operating Conditions Wire relay contacts within rated voltage/current for the installed revision. Use terminal block and rated wire gauge for field connections. Observe arc suppression when switching inductive loads.

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

Specifications

PARAMETER	VALUE
Model	1250-20
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	Power switching module (1250 series)
Relay Configuration	ten independent DPST
Max Switching	8 A at 250 VAC rms; 5 A at 48 VDC (dealer/OEM listing)
Auxiliary Supply	fused +13 VDC for external relay drive
Monitoring	relay contact monitoring with selectable confidence check

Ordering: 401757 (module card); 404381 (terminal block, typical kit)

Host System: Racal 1250 / 1251 programmable switching family

Standard Operating Conditions

Wire relay contacts within rated voltage/current for the installed revision. Use terminal block and rated wire gauge for field connections. Observe arc suppression when switching inductive loads.

Operational Notes

1250 series spans DC through microwave with many module types-confirm 1250-20 vs other 1250-xx cards.

Terminal block may be sold separately on some listings; verify kit contents. Do not exceed published 8 A / 250 VAC or 5 A / 48 VDC limits without the module datasheet for your revision.

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>

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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.