

57C331

Reliance Electric AutoMax 16-Slot Rack

Product scope

- Provides sixteen AutoMax/DCS 5000 module positions in a panel-mounted rack.
- Uses the documented P1 and P2 backplane bus architecture.
- Includes line filtering and dual-fan cooling for the installed module set.
- Retains the manufacturer's rack dimensions and fully loaded weight for planning.

Manufacturer source

Rockwell Automation / Reliance Electric AutoMax documentation

The exact product record precedes any retained manufacturer manual extracts. Only pages relevant to the current product identity and documented functions are included.

Request a fast quote	Product reference	
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Reliance Electric AutoMax 16-Slot Rack

Manufacturer-source product record

This page consolidates only model-specific facts verified in the manufacturer sources listed below. It is included to identify the exact ordering code before the retained manufacturer manual pages.

Catalog number	57C331
System	Reliance Electric AutoMax / DCS 5000
Rack capacity	16 slots
Bus architecture	P1 Intel Multibus IEEE P796; P2 modified P796
Mounting	Panel mount
Operating temperature	0 to 60 deg C
Storage temperature	-55 to 85 deg C
Relative humidity	5 to 90%, noncondensing
Rack dimensions	48.6 cm high x 62.4 cm wide x 31.1 cm deep
Approximate loaded weight	50 kg fully loaded
AC line filter	10 A, 120/250 V AC, 50/60 Hz
Cooling	Two 14 W fans

Official references

- Rockwell Automation / Reliance Electric AutoMax 57C331 rack instruction manual.
- Rockwell Automation product support record for catalog number 57C331.

No adjacent ordering option has been treated as part of this configuration. The complete label and installed-system requirements must be checked before replacement.

Function, operation and application

The following model-specific notes are limited to functions and operating relationships documented by the listed manufacturer sources.

Rack function

Model 57C331 is the sixteen-slot mechanical and electrical backplane for an AutoMax or DCS 5000 controller installation. It houses the power-supply, processor, I/O and special-purpose modules that make up the configured control system.

Backplane operation

The P1 connector follows the IEEE P796 Multibus arrangement and the P2 connector uses the documented modified P796 bus. Together they distribute power and provide the intermodule signal paths required by the installed AutoMax/DCS 5000 modules.

System expansion

Up to four compatible AutoMax processors can be used in a rack when the documented common-memory arrangement is provided. AutoMax 57C430-series processors and DCS 5000 57C407 processors must not be mixed in the same rack, as stated in the official rack instruction.

Thermal and installation role

Two rack fans move cooling air across the installed modules, while the 10 A line filter supports the rack power-input arrangement. Panel clearances, fan operation, module loading and the fully loaded 50 kg weight must be considered during cabinet layout and maintenance.

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