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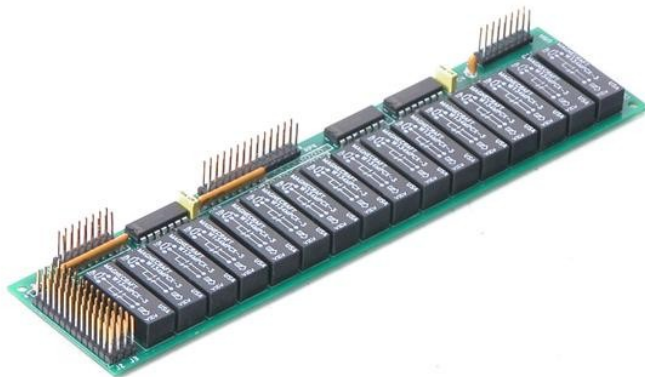
Data Sheet

August 15, 2026

DYNAMIC SIGNALS / KINETIC SYSTEMS

DynamicSignals / Kinetic Systems P300-343A 16-Channel Form C Relay Output Mezzanine Card

DynamicSignals / Kinetic Systems VXI Modules. Channels: ** 16, Channel: ** 5 mA to 15 mA.



MODEL

**DynamicSignals /
Kinetic Systems
P300-343A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

P300-343A

LISTING

[https://aumictechlabs.c
om/products/p300-343
a-3/](https://aumictechlabs.com/products/p300-343a-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The DynamicSignals/Kinetic Systems P300-343A is a 16-channel Form C relay output mezzanine card for VXIbus systems. It has isolated SPDT relay contacts via optical isolators (LED/photo-transistor), enabling switching control in industrial automation and process control applications. The card mounts directly into Kinetic Systems V387 VXIbus modules, supporting up to four mezzanine cards for 32-channel configurable I/O. Each channel draws 5 mA to 15 mA and features programmable input filtering from 5 μ s to over 1 second in 64 discrete steps. Contact closure represents logical "1." The system supports multiple isolated input voltage versions - 5 Vdc, 12 Vdc, 16 Vdc, 24 Vdc, 28 Vdc, 48 Vdc, and 120 Vac - with switching thresholds set at approximately half the rated input voltage. Integrated power-up self-test and software-initiated diagnostics provide Pass/Fail indication. Pattern recognition operates in 16-bit increments. Handshake logic is programmable with selectable external handshake support. Technical

Specifications Channels: 16 Output Type: Form C Relay (SPDT reed relays) Input Current per Channel: 5 mA to 15 mA Input Isolation: Optical isolator (LED/photo-transistor) with post-isolator filtering Filter Time Constant: 5 μ s to over 1 second, 64 programmable steps Supported Input Voltages: 5 Vdc, 12 Vdc, 16 Vdc, 24 Vdc, 28 Vdc, 48 Vdc, 120 Vac Switching Threshold: $\approx$ 50% of rated input voltage Logic Convention: Contact closure (voltage present) = logical "1" Form Factor: Mezzanine card for VXIbus module insertion Key Features Optical isolation for each input channel Programmable input filtering in 64 discrete steps Automatic power-up self-test with software trigger capability 16-bit programmable pattern recognition Optional external handshake circuitry with programmable logical sense Configurable with up to four mezzanine cards per V387 module Typical Applications Industrial automation and control systems Process control switching operations VXI-based test and measurement systems Equipment requiring isolated relay actuation Compatibility & Integration The P300-343A integrates with Kinetic Systems V387 VXIbus modules via standard mezzanine card insertion. Configuration management and trigger generation are accessible through VXIbus Configuration Register offsets.

P300343A Characteristics / Specifications

PARAMETER	VALUE
Model	P300-343A
Instrument Type	16-channel FormCrelay output module
Family	Kinetic Systems P300
Channel Count	16
Contact Form	Form C (SPDT)
Manufacturer	Kinetic Systems / DynamicSignals
Literature	Kinetic Systems P300-343A 16-channel FormCrelay listings
System Role	crate relay output
Use Case	signal routing and external device control
Sibling Analog	V200 ADC and V266 DAC in the same Kinetic Systems line
Contact Class	FormCchangeover per channel
Control Class	crate-controller digital output
Module Class	relay output
Documentation Type	OEM P300-343A listing
Brand Lineage	Kinetic Systems / DynamicSignals
Application Class	ATE relay switching
Io Class	16-channel SPDT
Host Class	CAMAC/VXI-class crate
Related	P300 family digital I/O
Connector Class	front-panel relay I/O
Ate Class	switching subsystem
Register Class	crate-addressed digital output
Year Class	P300-343A
Slot Class	P300 module

P300343A Specifications

PARAMETER	VALUE
Applications	16-channel Form C relay switching in Kinetic Systems P300 digital I/O subsystems.
Key Features	16 Form C (SPDT) relay outputs
Technical Specifications	Model: P300-343A

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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Year Class	P300-343A
Slot Class	P300 module

Notes

From Kinetic Systems P300-343A catalog listings (16-channel Form C). Contact current, coil voltage, and operate/release times are on the P300-343A relay table; do not invent them.

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

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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.