

INDUSTRIAL AUTOMATION PRODUCT

KJ3209X1-BA1 12P3905X012 VE4002S2T1B1

DeltaV 8-Channel 115/230 V AC Isolated Discrete Output Assembly

Emerson KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 is a DeltaV eight-channel 115/230 V AC isolated discrete-output assembly. VE4002S2T1B1 uses the standard I/O termination block.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	DeltaV M-series Traditional I/O
Part number	KJ3209X1-BA1 12P3905X012 VE4002S2T1B1
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 only in the documented DeltaV M-series Traditional I/O arrangement. Preserve identity, keying, wiring and configuration, then verify diagnostics and switching eight isolated 115/230 V AC field-output circuits through a standard terminal block under controlled conditions.

System Role and Architecture

Emerson KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 is a DeltaV eight-channel 115/230 V AC isolated discrete-output assembly. VE4002S2T1B1 uses the standard I/O termination block.

FUNCTION 1
Eight isolated AC outputs

FUNCTION 2
20-250 V AC output range

FUNCTION 3
Standard keyed terminal block

FUNCTION 4
Discrete, momentary and pulse modes

RELATED APTER POWER PAGES

1A06B-6117-H209

2PCIE-5565PIORC-100A00

3A06B-6096-H106

4A06B-6096-H104

5A06B-6087-H155

6HE693ADC415

7A06B-6102-H245-H520

8IS200WROBH1AAA

9IS200STCIH2A

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	DeltaV M-series Traditional I/O
02	Matched DeltaV M-series Traditional I/O carrier, host or field hardware
03	Documented power, signal, keyed termination and protective interfaces
04	Approved DeltaV configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	DeltaV M-series Traditional I/O
Interface role	switching eight isolated 115/230 V AC field-output circuits through a standard terminal block
Field / power context	documented DeltaV M-series Traditional I/O installation
Commissioning evidence	Identity, keying, wiring, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Verify the complete KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 identity and the documented DeltaV 8-Channel 115/230 V AC Isolated Discrete
- 2

Place the connected process and DeltaV hardware in the approved maintenance state.
- 3

Isolate every documented power, signal and stored-energy source before disconnecting hardware.
- 4

Record the installed carrier position, keyed interfaces, terminals, conductors and active configuration.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Current verified Emerson code	VE4002S2T1B1	Maximum card load to 50 deg C	3.0 A
I/O function	Discrete output	Off-state leakage at 120 V AC	2 mA maximum
Channels	8	Off-state leakage at 230 V AC	4 mA maximum
Field signal	115/230 V AC	Isolation	250 V AC from system and between channels
Output range	20 to 250 V AC	LocalBus current	100 mA typical, 150 mA maximum
Output rating per channel	1.0 A continuous	Termination block	Standard I/O termination block
Maximum card load to 60 deg C	2.0 A	Configurable modes	Discrete, momentary and continuous pulse output

RELATED PRODUCT PAGES

1A06B-6117-H209

2PCIE-5565PIORC-100A00

3A06B-6096-H106

4A06B-6096-H104

5A06B-6087-H155

6HE693ADC415

7A06B-6102-H245-H520

8IS200WROBH1AAA

9IS200STCIH2A

ENGINEERING BOUNDARY

Confirm KJ3209X1-BA1 12P3905X012 VE4002S2T1B1, its exact DeltaV M-series Traditional I/O host, installed position, keying, power, wiring, configuration and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Verify the complete KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 identity and the documented DeltaV 8-Channel 115/230 V AC Isolated
- 2

Place the connected process and DeltaV hardware in the approved maintenance state.
- 3

Isolate every documented power, signal and stored-energy source before disconnecting hardware.
- 4

Record the installed carrier position, keyed interfaces, terminals, conductors and active configuration.

Applications and Engineering Context

AC solenoid control

Switches approved AC loads within the per-channel and total-card ratings.

Contactor-coil command

Controls documented 115 or 230 V AC coils through isolated channels.

Timed AC output

Applies the configured momentary or pulse behavior to validated loads.

AC output commissioning

Measures leakage and commanded load response on all eight channels.

TECHNICAL NOTE

Install KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 only in the documented DeltaV M-series Traditional I/O arrangement. Preserve identity, keying, wiring and configuration, then verify diagnostics and switching eight isolated 115/230 V AC field-output circuits through a standard terminal block under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 recorded
Host / carrier	DeltaV M-series Traditional I/O
Physical interface	Installed terminals, conductors and signal paths matched to the as-found record
Configuration	Approved hardware and DeltaV configuration restored
Functional proof	Controlled test confirms switching eight isolated 115/230 V AC field-output circuits through a standard terminal block

IMPORTANT NOTICE

Confirm KJ3209X1-BA1 12P3905X012 VE4002S2T1B1, its exact DeltaV M-series Traditional I/O host, installed position, keying, power, wiring, configuration and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

A06B-6117-H209

View A06B-6117-H209 page

2

PCIE-5565PIORC-100A00

View PCIE-5565PIORC-100A00 page

3

A06B-6096-H106

View A06B-6096-H106 page

4

A06B-6096-H104

View A06B-6096-H104 page

5

A06B-6087-H155

View A06B-6087-H155 page

6

HE693ADC415

View HE693ADC415 page

7

A06B-6102-H245-H520

View A06B-6102-H245-H520 page

8

IS200WROBH1AAA

View IS200WROBH1AAA page

9

IS200STCIH2A

View IS200STCIH2A page

MANUFACTURER SOURCE RECORD

Emerson DeltaV M-series Traditional I/O product data sheet | Manufacturer evidence verified 29 September 2026

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.