

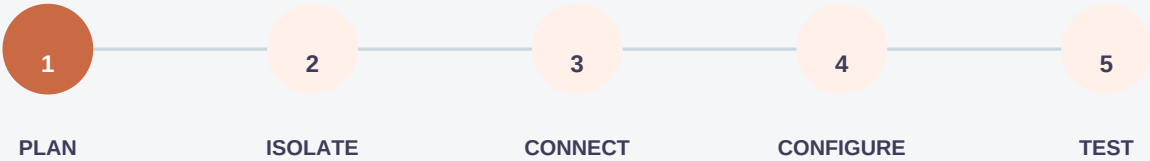
KJ3209X1-BA1 12P3905X012 VE4002S2T1B1

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

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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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	KJ3209X1-BA1 12P3905X012 VE4002S2T1B1
Manufacturer	Emerson
System family	DeltaV M-series Traditional I/O
Record scope	Installation, application and verification



APTER POWER SALES TEAM

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com

01 PRE-INSTALLATION PLAN

- 1

Verify the complete KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 identity and the documented DeltaV 8-Channel 115/230 V AC Isolated Discrete Output Assembly execution before work.
- 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.
- 5

Use ESD controls and protect keyed connectors, electronic contacts and field wiring during handling.

MATCHED HARDWARE

- Emerson KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 with complete article identity
- Matched DeltaV M-series Traditional I/O host or companion hardware
- Documented power, signal, keyed and protective interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	KJ3209X1-BA1 12P3905X012 VE4002S2T1B1 recorded
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

02 WIRING & INTERFACE CHECKS

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

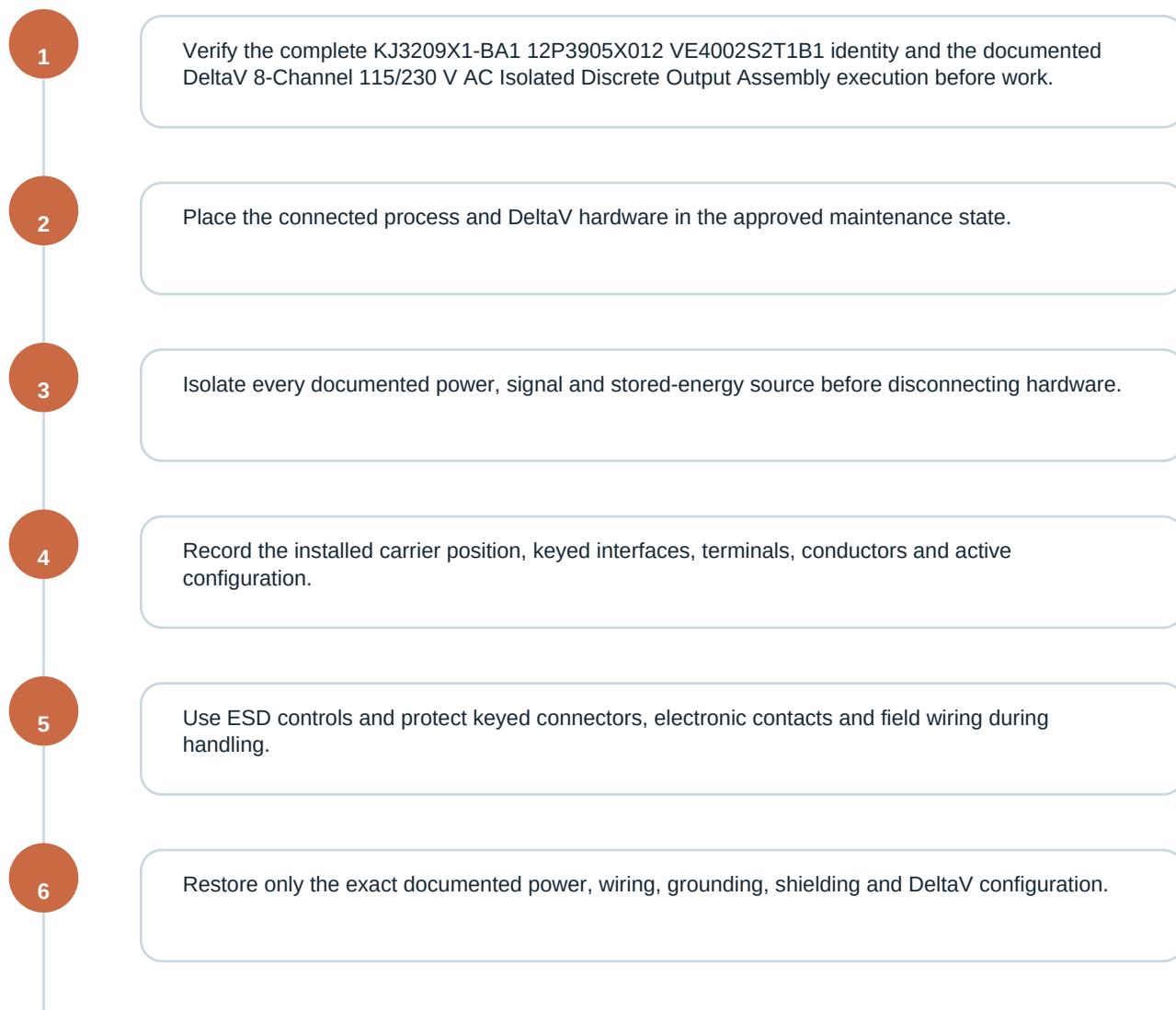
RELATED PRODUCT PAGES

1 IC695PNS001	2 UR9GH	3 IC693ACC302B
4 IC200PWR002G	5 31F323G1	6 DS215TCCAG1BZZ01A-DS200TCCAG1BAA
7 DS200TCCAG1AJB	8 IS420UCSCH1A-G-V0-1-A	9 XMTC-62-11-0

FIELD NOTE

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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	KJ3209X1-BA1 12P3905X012 VE4002S2T1B1
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

04 RETURN-TO-SERVICE RECORD

- ☐ Use ESD controls and protect keyed connectors, electronic contacts and field wiring during handling.
- ☐ Restore only the exact documented power, wiring, grounding, shielding and DeltaV configuration.
- ☐ Energize in a controlled sequence and review device, carrier, controller and process diagnostics.
- ☐ Function-test switching eight isolated 115/230 V AC field-output circuits through a standard terminal block and retain the acceptance record before release.

VERIFICATION RECORD

PRODUCT IDENTITY	KJ3209X1-BA1 12P3905X012 VE4002S2T1B1
INSTALLED POSITION	Documented DeltaV M-series Traditional I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Use ESD controls and protect keyed connectors, electronic contacts and field wiring during handling.
- ☐ Restore only the exact documented power, wiring, grounding, shielding and DeltaV configuration.
- ☐ Energize in a controlled sequence and review device, carrier, controller and process diagnostics.
- ☐ Function-test switching eight isolated 115/230 V AC field-output circuits through a standard terminal block and retain the acceptance record before release.

SOURCE IDENTIFIERS

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