

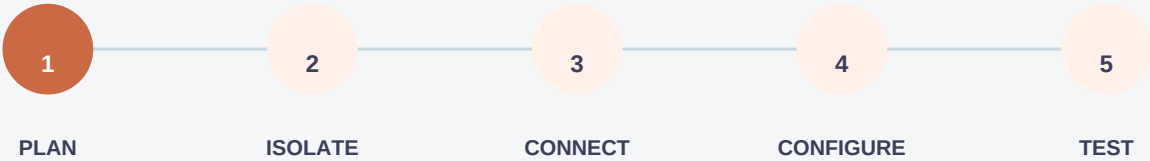
# KJ3001X1-BC1-12P0551X132-VE4001S3T1B1

## DeltaV 8-Channel 120 V AC Isolated Discrete Input Assembly

CONTROLLED ENGINEERING COPY

Emerson KJ3001X1-BC1-12P0551X132-VE4001S3T1B1 is a DeltaV M-series eight-channel 120 V AC isolated discrete-input assembly. VE4001S3T1B1 uses the standard I/O termination block.

| INSTALLATION IDENTITY | REQUIRED VALUE                             |
|-----------------------|--------------------------------------------|
| Complete model        | KJ3001X1-BC1-12P0551X132-VE4001S3T1B1      |
| Manufacturer          | Emerson                                    |
| System family         | DeltaV M-series Traditional I/O            |
| Record scope          | Installation, application and verification |



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# 01 PRE-INSTALLATION PLAN

- 1

Verify the complete KJ3001X1-BC1-12P0551X132-VE4001S3T1B1 identity and the documented DeltaV 8-Channel 120 V AC Isolated Discrete Input 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 KJ3001X1-BC1-12P0551X132-VE4001S3T1B1 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           | KJ3001X1-BC1-12P0551X132-VE4001S3T1B1 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 acquisition of eight isolated 120 V AC discrete field signals through a standard terminal block |

## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM                    | REQUIRED VALUE                                   |
|-------------------------------|--------------------------------------------------|
| Current verified Emerson code | VE4001S3T1B1                                     |
| Subsystem                     | DeltaV M-series Traditional I/O                  |
| I/O function                  | Discrete input                                   |
| Number of channels            | 8                                                |
| Nominal field signal          | 120 V AC                                         |
| Input arrangement             | Isolated                                         |
| Termination block             | Standard I/O termination block                   |
| Detection level for ON        | 84 to 130 V AC                                   |
| Detection level for OFF       | 0 to 34 V AC                                     |
| Input load                    | 2 mA at 120 V AC                                 |
| Input impedance               | 60 kOhm                                          |
| LocalBus current              | 75 mA typical, 100 mA maximum at 12 V DC nominal |
| Field circuit power per card  | None                                             |

### RELATED PRODUCT PAGES

1

[Siemens 6SL3352-6TE33-8AA3](#)

2

[Siemens 6RY1803-0DA04](#)

3

[Siemens C98043-A7106-L4](#)

4

[Siemens 6RY1803-0DA03](#)

5

[Siemens C98043-A7106-L1](#)

6

[Siemens 6SE7090-0XX87-4AH0](#)

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[Siemens C98043-A7109-L100](#)

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[Siemens 6RY1803-0CM20](#)

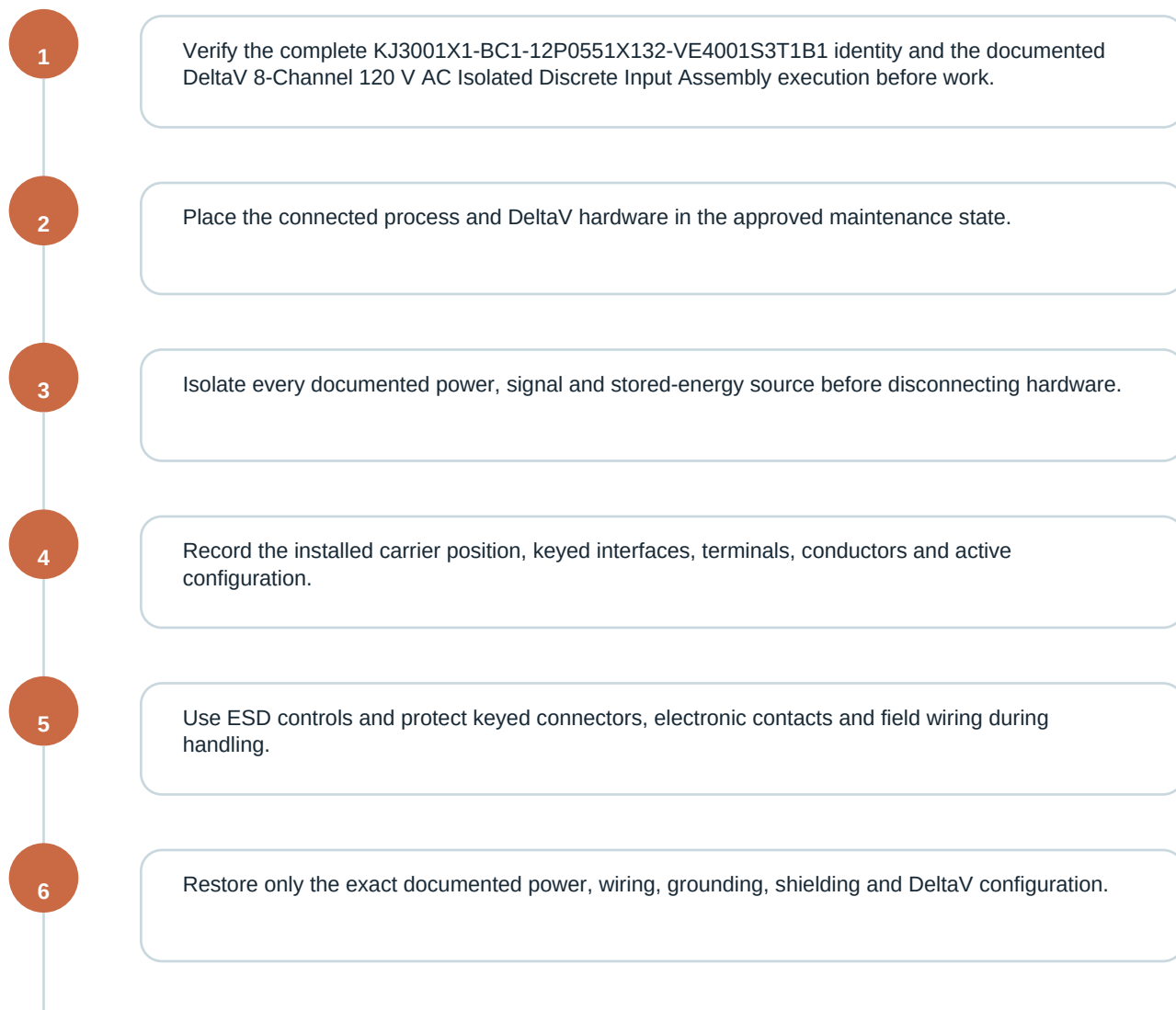
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[Siemens C98043-A7107-L4](#)

### FIELD NOTE

Confirm KJ3001X1-BC1-12P0551X132-VE4001S3T1B1, 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           | KJ3001X1-BC1-12P0551X132-VE4001S3T1B1                                                                                    |
| 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 acquisition of eight isolated 120 V AC discrete field signals through a standard terminal block |

## 04 RETURN-TO-SERVICE RECORD

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

☐☐☐

### VERIFICATION RECORD

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| PRODUCT IDENTITY    | KJ3001X1-BC1-12P0551X132-VE4001S3T1B1               |
| 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.

☐☐☐

### SOURCE IDENTIFIERS

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