

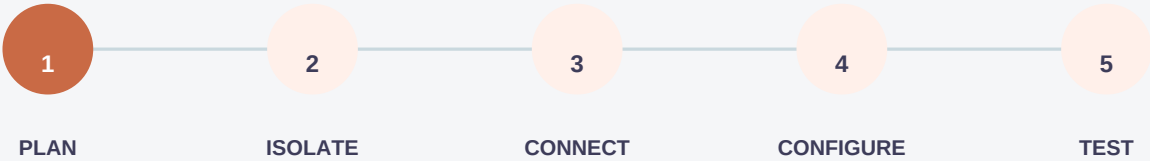
KJ4005X1-BC1

DeltaV S-series Right Extender 1-Wide

CONTROLLED ENGINEERING COPY

Emerson KJ4005X1-BC1 is the spare right extender for a DeltaV S-series horizontal carrier assembly. It extends the documented carrier architecture through the approved S-series extender connection.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	KJ4005X1-BC1
Manufacturer	Emerson
System family	DeltaV S-series Horizontal Carriers
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete KJ4005X1-BC1 identity and the documented DeltaV S-series Right Extender 1-Wide 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 KJ4005X1-BC1 with complete article identity
- Matched DeltaV S-series Horizontal Carriers 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	KJ4005X1-BC1 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 right-side extension of an approved DeltaV S-series horizontal carrier arrangement

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product designation	Right extender, 1-wide
Platform	DeltaV S-series
Hardware group	S-series system carriers
Orientation	Right-side extender
Width	1-wide
LocalBus carrier specification	12 V DC at 15 A
Field-power limit for 8-wide carrier	30 V DC at 3 A per card
Energized connection	Not permitted
Environmental classification	Class I Division 2 / Zone 2 component
Permanent empty position	Fit the specified module cover
Maintenance	No user-serviceable parts

RELATED PRODUCT PAGES

1 IC693CHS398

2 IS200ACLEH1BCB

3 DS200TCDAF1BCM

4 IS200STAOH2AAA

5 IS200TBTCH1BBB

6 IS200EMIOH1ACA

7 IS200ECTBG1A

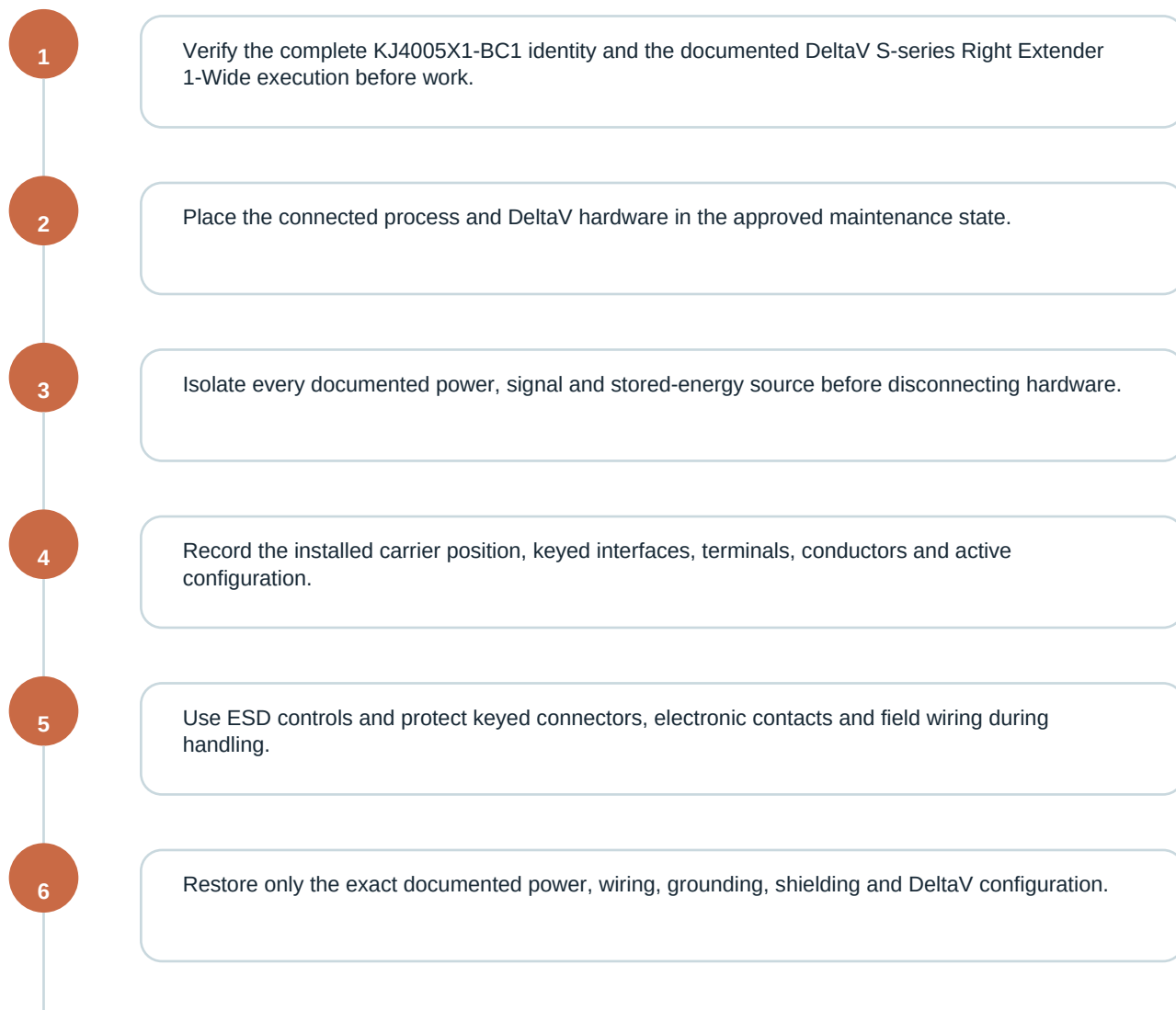
8 IS200TRTDH1CCC-594440

9 IS200TRLYH1BGF

FIELD NOTE

Confirm KJ4005X1-BC1, its exact DeltaV S-series Horizontal Carriers host, installed position, keying, power, wiring, configuration and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	KJ4005X1-BC1
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 right-side extension of an approved DeltaV S-series horizontal carrier arrangement

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 right-side extension of an approved DeltaV S-series horizontal carrier arrangement and retain the acceptance record before release.

VERIFICATION RECORD

PRODUCT IDENTITY	KJ4005X1-BC1
INSTALLED POSITION	Documented DeltaV S-series Horizontal Carriers 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 right-side extension of an approved DeltaV S-series horizontal carrier arrangement and retain the acceptance record before release.

SOURCE IDENTIFIERS

Emerson S-series Horizontal Carriers PDS and ATEX60 system-carrier instruction sheet | Manufacturer evidence verified 29 September 2026