

INDUSTRIAL AUTOMATION PRODUCT

KJ4005X1-BC1

DeltaV S-series Right Extender 1-Wide

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	DeltaV S-series Horizontal Carriers
Part number	KJ4005X1-BC1
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 KJ4005X1-BC1 only in the documented DeltaV S-series Horizontal Carriers arrangement. Preserve identity, keying, wiring and configuration, then verify diagnostics and right-side extension of an approved DeltaV S-series horizontal carrier arrangement under controlled conditions.

System Role and Architecture

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.

FUNCTION 1
Right-side carrier extender

FUNCTION 2
One-wide format

FUNCTION 3
DeltaV S-series system carrier compatibility

FUNCTION 4
De-energized extender connection requirement

RELATED APTER POWER PAGES

1489-P5-HI-A20-E

2MVTP31V1CB0751E

3DS215TCCAG1BZZ01

4IS210AEAAH2BJE

5IS200HSLAH1ADE

6IS210MVBRAH2A-IS200MVBRAH2AFC

7IS200BPPBH2CAA

8IS215PMVPH1AA-IS200MVREH1ABB

9IC693MDR390

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	DeltaV S-series Horizontal Carriers
02	Matched DeltaV S-series Horizontal Carriers 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 S-series Horizontal Carriers
Interface role	right-side extension of an approved DeltaV S-series horizontal carrier arrangement
Field / power context	documented DeltaV S-series Horizontal Carriers installation
Commissioning evidence	Identity, keying, wiring, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

1Verify the complete KJ4005X1-BC1 identity and the documented DeltaV S-series Right Extender 1-Wide execution before work.

2Place the connected process and DeltaV hardware in the approved maintenance state.

3Isolate every documented power, signal and stored-energy source before disconnecting hardware.

4Record 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
Product designation	Right extender, 1-wide	Field-power limit for 8-wide carrier	30 V DC at 3 A per card
Platform	DeltaV S-series	Energized connection	Not permitted
Hardware group	S-series system carriers	Environmental classification	Class I Division 2 / Zone 2 component
Orientation	Right-side extender	Permanent empty position	Fit the specified module cover
Width	1-wide	Maintenance	No user-serviceable parts
LocalBus carrier specification	12 V DC at 15 A		

RELATED PRODUCT PAGES

1489-P5-HI-A20-E

2MVTP31V1CB0751E

3DS215TCCAG1BZZ01

4IS210AEAAH2BJE

5IS200HSLAH1ADE

6IS210MVR AH2A-IS200MVR AH2AFC

7IS200BPPBH2CAA

8IS215PMVPH1AA-IS200MVREH1ABB

9IC693MDR390

ENGINEERING BOUNDARY

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

PRE-INSTALLATION CHECKS

- 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.

Applications and Engineering Context

Horizontal carrier extension

Continues the documented S-series carrier topology to the right.

Cabinet layout restoration

Preserves carrier direction, cable routing and slot sequence.

Legacy extender replacement

Replaces the exact right-side extender without changing the architecture.

Carrier-bus commissioning

Checks power, LocalBus continuity and module recognition after reassembly.

TECHNICAL NOTE

Install KJ4005X1-BC1 only in the documented DeltaV S-series Horizontal Carriers arrangement. Preserve identity, keying, wiring and configuration, then verify diagnostics and right-side extension of an approved DeltaV S-series horizontal carrier arrangement under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	KJ4005X1-BC1 recorded
Host / carrier	DeltaV S-series Horizontal Carriers
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

IMPORTANT NOTICE

Confirm KJ4005X1-BC1, its exact DeltaV S-series Horizontal Carriers 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

489-P5-HI-A20-E

View 489-P5-HI-A20-E page

2

MVTP31V1CB0751E

View MVTP31V1CB0751E page

3

DS215TCCAG1BZZ01

View DS215TCCAG1BZZ01 page

4

IS210AEAAH2BJE

View IS210AEAAH2BJE page

5

IS200HSLAH1ADE

View IS200HSLAH1ADE page

6

IS210MVRAH2A-IS200MVRAH2AFC

View IS210MVRAH2A-IS200MVRAH2AFC page

7

IS200BPPBH2CAA

View IS200BPPBH2CAA page

8

IS215PMVPH1AA-IS200MVREH1ABB

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MANUFACTURER SOURCE RECORD

Emerson S-series Horizontal Carriers PDS and ATEX60 system-carrier instruction 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.