

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.

PRODUCT SNAPSHOT

BRAND
Emerson

FAMILY
DeltaV S-series Horizontal Carriers

PART
KJ4005X1-BC1

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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PRODUCT OVERVIEW

Emerson KJ4005X1-BC1 provides right-side extension of an approved DeltaV S-series horizontal carrier arrangement in a documented DeltaV S-series Horizontal Carriers installation.

- Right-side carrier extender
- One-wide format
- DeltaV S-series system carrier compatibility
- De-energized extender connection requirement

RELATED APTER POWER PAGES		
1 IS420ESWBH2A	2 IS220PSFDH1A	3 IS200TRPGH2B-421084
4 IS200SHRAH2A	5 IS200WROBH1A	6 HE693SNP900
7 IC660BBD022-855138	8 RE421REPAH1APR4	9 8851-LC-MT

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented carrier position, keyed interfaces, field wiring and approved DeltaV configuration. Commissioning restores that architecture and verifies the affected function under controlled conditions.

TECHNICAL DATA

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		

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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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

1

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

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.

6

Restore only the exact documented power, wiring, grounding, shielding and DeltaV configuration.

7

Energize in a controlled sequence and review device, carrier, controller and process diagnostics.

8

Function-test right-side extension of an approved DeltaV S-series horizontal carrier arrangement and

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ENGINEER FAQ

Q1 On which side of the carrier is KJ4005X1-BC1 installed?

Emerson lists KJ4005X1-BC1 as the one-wide right extender.

Q2 Which DeltaV platform uses KJ4005X1-BC1?

It belongs to the DeltaV S-series horizontal carrier subsystem.

Q3 May KJ4005X1-BC1 be connected with system power energized?

No. Emerson requires carrier, extender and extender-cable connections to be de-energized.

Q4 What LocalBus carrier rating must be considered around KJ4005X1-BC1?

The S-series system-carrier instruction sheet specifies 12 V DC at 15 A LocalBus power.

Q5 Which direction must be recorded before replacing KJ4005X1-BC1?

Record that it is the right extender, together with its adjacent carrier, cable and cabinet position.

Q6 What protects an unused position associated with KJ4005X1-BC1 carrier work?

A specified module cover must be fitted to any permanently unoccupied carrier location.

Q7 Does KJ4005X1-BC1 contain field-serviceable parts?

No. The carrier instruction sheet states that these units contain no user-serviceable parts.

Q8 Which checks release KJ4005X1-BC1 after installation?

Verify de-energized assembly, extender seating, LocalBus continuity, carrier power and recognition of all connected modules.

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

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