

KJ4006X1-BD1

DeltaV I/O terminal block

It provides the field-wiring termination interface for its assigned DeltaV I/O module.

PRODUCT SNAPSHOT

BRAND

Emerson

FAMILY

DeltaV S-series I/O termination

PART

KJ4006X1-BD1

HS CODE

8537101190

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PRODUCT OVERVIEW

It provides the field-wiring termination interface for its assigned DeltaV I/O module.

1

Mounts at the assigned I/O position

2

Routes field conductors to the companion module

3

Preserves channel and shield organization

4

Supports controlled terminal-block replacement

SYSTEM COMPONENTS

Compatible DeltaV I/O card

Assigned carrier position

Field cable and shield system

Approved channel configuration

TECHNICAL NOTE

Isolate field power, record every terminal and shield connection, verify the companion I/O card and keyed position, torque conductors to the applicable instructions, and function-test each channel.

TECHNICAL DATA

PARAMETER	VALUE
Part number	KJ4006X1-BD1
Platform	DeltaV

PARAMETER	VALUE
Hardware type	I/O terminal block

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
5X00121G01	Related Emerson product	View 5X00121G01 page
5X00119G01	Related Emerson product	View 5X00119G01 page
KJ3222X1-BA1-12P2532X122	Related Emerson product	View KJ3222X1-BA1-12P2532X122 page
KC4011X1-BZ1	Related Emerson product	View KC4011X1-BZ1 page
KC4011X1-BW1	Related Emerson product	View KC4011X1-BW1 page
KJ2201X1-BA1	Related Emerson product	View KJ2201X1-BA1 page
3900-02-10	Related Emerson product	View 3900-02-10 page
396P-02-12-55	Related Emerson product	View 396P-02-12-55 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Process I/O termination

Mounts at the assigned I/O position

Control-cabinet service

Routes field conductors to the companion module

Field-wiring migration

Preserves channel and shield organization

Channel commissioning

Supports controlled terminal-block replacement

PRODUCT PRECAUTIONS

- 1 Verify the complete KJ4006X1-BD1 marking and the assigned DeltaV S-series I/O termination position before work.
- 2 Place the connected machine or process in the approved maintenance state before disturbing KJ4006X1-BD1.
- 3 Isolate the applicable power and field energy, then confirm a safe state before disconnecting KJ4006X1-BD1.
- 4 Record connector, conductor, slot and configuration identities before removal of KJ4006X1-BD1.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.
- 6 Confirm that the installed companion hardware and approved project match the KJ4006X1-BD1 arrangement.
- 7 Restore power in a controlled sequence and review device, rack and host diagnostics.
- 8 Prove the intended function and retain the final test result before returning KJ4006X1-BD1 to service.

ENGINEER FAQ

Q1 Does KJ4006X1-BD1 match Compatible DeltaV I/O card in a Process I/O termination installation?

Verify the complete KJ4006X1-BD1 marking, the documented DeltaV S-series I/O termination position and the installed Compatible DeltaV I/O card before fitting the assembly.

Q3 Which DeltaV S-series I/O termination records should be captured before removing KJ4006X1-BD1?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with KJ4006X1-BD1 before disconnection.

Q5 Which Assigned carrier position condition should be checked when KJ4006X1-BD1 reports an abnormal state?

Check the Assigned carrier position supply, seating and connection first, then compare channel diagnostics with the recorded KJ4006X1-BD1 baseline.

Q7 What maintenance evidence is required after KJ4006X1-BD1 is used for Field-wiring migration?

Retain the nameplate record, corrective action, final diagnostics and a controlled field-wiring migration functional-test result for KJ4006X1-BD1.

Q2 How should KJ4006X1-BD1 be wired when it must mounts at the assigned i/o position?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for KJ4006X1-BD1; then continuity-test the affected path.

Q4 What controlled test confirms that KJ4006X1-BD1 can routes field conductors to the companion module?

Apply the approved field or simulated stimulus, observe the DeltaV S-series I/O termination indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can KJ4006X1-BD1 be moved directly into Control-cabinet service without validating Approved channel configuration?

No. Confirm the Approved channel configuration, revision, connection scheme and DeltaV S-series I/O termination configuration before transferring KJ4006X1-BD1 to that duty.

Q8 How should KJ4006X1-BD1 be returned to service in Channel commissioning?

Restore power under control, verify preserves channel and shield organization, exercise the intended signal path and release KJ4006X1-BD1 only after the DeltaV S-series I/O termination remains in its approved operating state.

SOURCE Emerson DeltaV hardware documentation and product marking | KJ4006X1-BD1

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