

KJ3003X1-EA1

DeltaV M-series analog input module

It converts configured field analog signals into process values for a DeltaV controller.

PRODUCT SNAPSHOT

BRAND

Emerson

FAMILY

DeltaV M-series traditional I/O

PART

KJ3003X1-EA1

HS CODE

8537101190

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PRODUCT OVERVIEW

It converts configured field analog signals into process values for a DeltaV controller.

1

Occupies an M-series I/O carrier position

2

Acquires the configured analog field channels

3

Reports channel status to DeltaV diagnostics

4

Works with the assigned terminal block

SYSTEM COMPONENTS

DeltaV M-series I/O carrier

Matching field terminal block

Field transmitter loops

Control module and channel configuration

TECHNICAL NOTE

Confirm the complete part number, carrier position, terminal-block type and channel range; isolate loop power, preserve shield terminations and verify scaling at controlled low, midpoint and high inputs.

TECHNICAL DATA

PARAMETER	VALUE
Part number	KJ3003X1-EA1
Platform	DeltaV M-series

PARAMETER	VALUE
I/O function	Analog input

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
KJ4001X1-CC1-12P0733X042	Related Emerson product	View KJ4001X1-CC1-12P0733X042 page
KJ3101X1-BB1-12P1866X062	Related Emerson product	View KJ3101X1-BB1-12P1866X062 page
KJ3101X1-BA1-12P1865X062	Related Emerson product	View KJ3101X1-BA1-12P1865X062 page
KJ3001X1-BH1-12P0558X152	Related Emerson product	View KJ3001X1-BH1-12P0558X152 page
KC3011X1-BA1-12P6749X042	Related Emerson product	View KC3011X1-BA1-12P6749X042 page
KC3010X1-BA1-12P6762X062	Related Emerson product	View KC3010X1-BA1-12P6762X062 page
1X01046H01L	Related Emerson product	View 1X01046H01L page
PR6426-000-131-CON041	Related Emerson product	View PR6426-000-131-CON041 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Process transmitter acquisition

Occupies an M-series I/O carrier position

Analog-loop modernization

Acquires the configured analog field channels

DeltaV cabinet maintenance

Reports channel status to DeltaV diagnostics

I/O channel commissioning

Works with the assigned terminal block

PRODUCT PRECAUTIONS

- 1 Verify the complete KJ3003X1-EA1 marking and the assigned DeltaV M-series traditional I/O position before work.
- 2 Place the connected machine or process in the approved maintenance state before disturbing KJ3003X1-EA1.
- 3 Isolate the applicable power and field energy, then confirm a safe state before disconnecting KJ3003X1-EA1.
- 4 Record connector, conductor, slot and configuration identities before removal of KJ3003X1-EA1.
- 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 KJ3003X1-EA1 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 KJ3003X1-EA1 to service.

ENGINEER FAQ

Q1 Does KJ3003X1-EA1 match DeltaV M-series I/O carrier in a Process transmitter acquisition installation?

Verify the complete KJ3003X1-EA1 marking, the documented DeltaV M-series traditional I/O position and the installed DeltaV M-series I/O carrier before fitting the assembly.

Q2 How should KJ3003X1-EA1 be wired when it must occupies an m-series i/o carrier position?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for KJ3003X1-EA1; then continuity-test the affected path.

Q3 Which DeltaV M-series traditional I/O records should be captured before removing KJ3003X1-EA1?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with KJ3003X1-EA1 before disconnection.

Q4 What controlled test confirms that KJ3003X1-EA1 can acquires the configured analog field channels?

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

Q5 Which Matching field terminal block condition should be checked when KJ3003X1-EA1 reports an abnormal state?

Check the Matching field terminal block supply, seating and connection first, then compare channel diagnostics with the recorded KJ3003X1-EA1 baseline.

Q6 Can KJ3003X1-EA1 be moved directly into Analog-loop modernization without validating Control module and channel configuration?

No. Confirm the Control module and channel configuration, revision, connection scheme and DeltaV M-series traditional I/O configuration before transferring KJ3003X1-EA1 to that duty.

Q7 What maintenance evidence is required after KJ3003X1-EA1 is used for DeltaV cabinet maintenance?

Retain the nameplate record, corrective action, final diagnostics and a controlled deltav cabinet maintenance functional-test result for KJ3003X1-EA1.

Q8 How should KJ3003X1-EA1 be returned to service in I/O channel commissioning?

Restore power under control, verify reports channel status to deltav diagnostics, exercise the intended signal path and release KJ3003X1-EA1 only after the DeltaV M-series traditional I/O remains in its approved operating state.

SOURCE Emerson DeltaV M-series hardware documentation | KJ3003X1-EA1

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