APTER POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

KJ3003X1-EA1

DeltaV M-series analog input module

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

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	DeltaV M-series traditional I/O
Part number	KJ3003X1-EA1
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

2 Technical Specifications

Technical values below are limited to the named Emerson product record.

PARAMETER	TECHNICAL VALUE
Part number	KJ3003X1-EA1
Platform	DeltaV M-series
I/O function	Analog input

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	DeltaV M-series I/O carrier
Companion hardware	Matching field terminal block
Field connection	Field transmitter loops
Primary system function	Occupies an M-series I/O carrier position
Controlled acceptance duty	Process transmitter acquisition

3 System Role and Architecture

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

FUNCTION 1

Occupies an M-series I/O carrier position

FUNCTION 2

Acquires the configured analog field channels

FUNCTION 3

Reports channel status to DeltaV diagnostics

FUNCTION 4

Works with the assigned terminal block

Matched system components

- DeltaV M-series I/O carrier
- Matching field terminal block
- Field transmitter loops
- Control module and channel configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	DeltaV M-series I/O carrier
Companion hardware	Matching field terminal block
Field connection	Field transmitter loops
Primary system function	Occupies an M-series I/O carrier position
Controlled acceptance duty	Process transmitter acquisition

4 Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	KJ3003X1-EA1 / KJ3003X1-EA1 recorded
Physical interface	DeltaV M-series I/O carrier
Companion check	Matching field terminal block
Functional proof	Occupies an M-series I/O carrier position
Application test	Process transmitter acquisition

5 Engineering 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.

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
KJ4006X1-BD1	Related Emerson product	View KJ4006X1-BD1 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

MANUFACTURER SOURCE RECORD

Emerson DeltaV M-series hardware documentation

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