

KJ3241X1-BA1

DeltaV M-series serial interface card

CONTROLLED ENGINEERING COPY

Verify KJ3241X1-BA1 and part number 12P2506X032, D4 keying, installed carrier position, serial electrical interface, baud rate, parity and dataset mapping; isolate field energy and prove each message path after installation.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	KJ3241X1-BA1
Manufacturer part	KJ3241X1-BA1
Hardware type	12P2506X032
System family	Emerson DeltaV M-series traditional I/O
HS code	8537101190



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete KJ3241X1-BA1 marking and its assigned Emerson DeltaV M-series traditional I/O position before work.
- 2

Place the connected serial analyzer integration process in the approved maintenance state.
- 3

Isolate applicable power and configured serial communication data between deltav and field equipment field energy before disconnecting conductors.
- 4

Record connector, conductor, address, firmware and software identities before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- DeltaV M-series I/O carrier
- D4-keyed terminal block
- compatible serial field device
- DeltaV serial-dataset configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	KJ3241X1-BA1 / KJ3241X1-BA1 recorded
Physical interface	DeltaV M-series I/O carrier
Companion check	D4-keyed terminal block
Functional proof	Uses the exact 12P2506X032 assembly identity
Application test	Serial analyzer integration

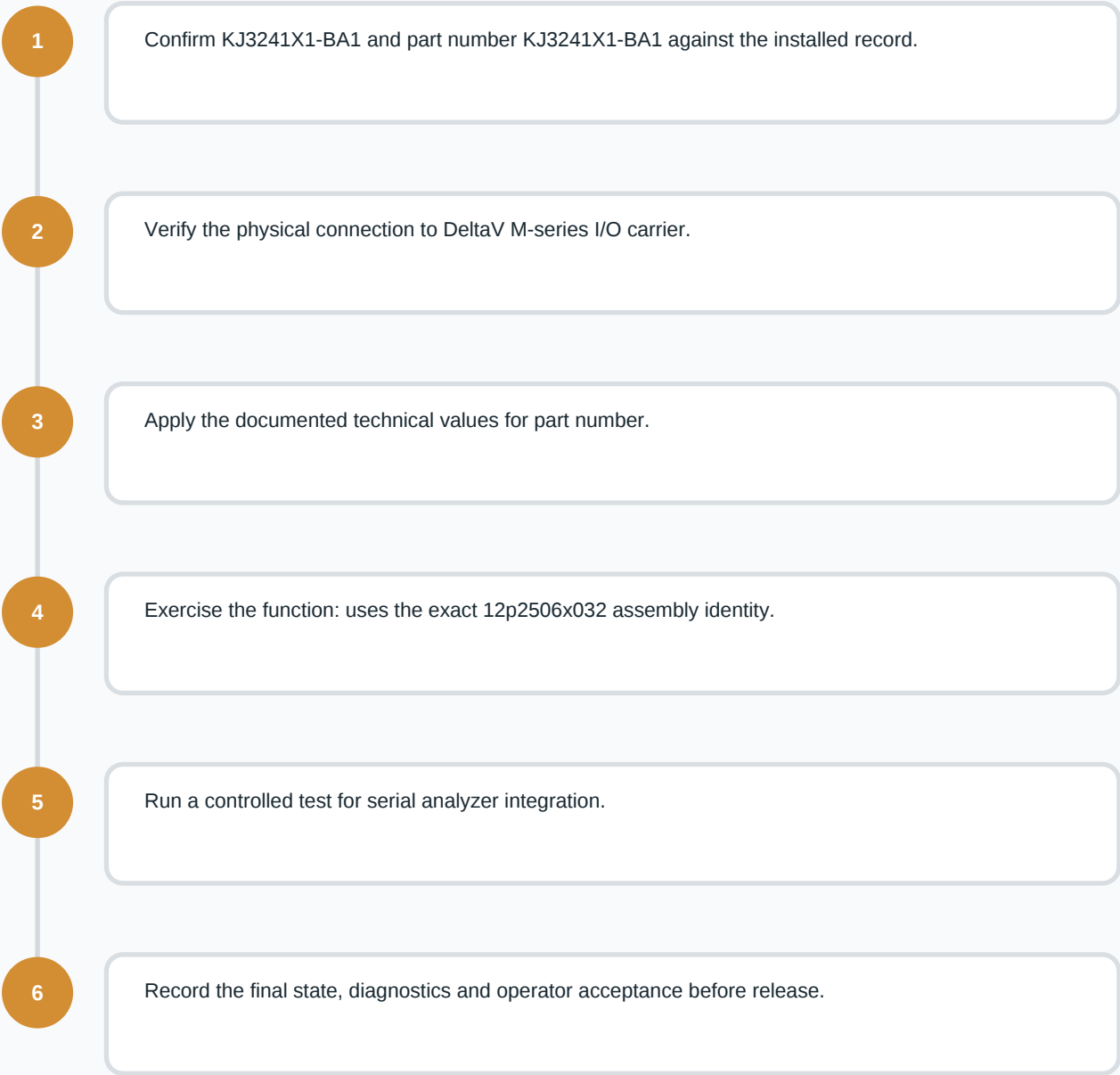
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Part number	12P2506X032
Module type	Serial interface card
Local bus supply	12 V DC at 300 mA
Ambient temperature	-40 to +70 degC
Shock	10 g half-sine, 11 ms
Vibration, low frequency	1 mm peak-to-peak, 2 to 13.2 Hz
Vibration, high frequency	0.7 g, 13.2 to 150 Hz
Airborne contaminants	ISA-S71.04 G3
Relative humidity	5 to 95%, noncondensing
Ingress protection	IP20
Terminal-block key	D4
Calibration	Not required
Serviceable parts	None

FIELD NOTE

Verify KJ3241X1-BA1 and part number 12P2506X032, D4 keying, installed carrier position, serial electrical interface, baud rate, parity and dataset mapping; isolate field energy and prove each message path after installation.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	KJ3241X1-BA1 / KJ3241X1-BA1 recorded
Physical interface	DeltaV M-series I/O carrier
Companion check	D4-keyed terminal block
Functional proof	Uses the exact 12P2506X032 assembly identity
Application test	Serial analyzer integration

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed DeltaV M-series I/O carrier and D4-keyed terminal block against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended package-unit serial communications function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	KJ3241X1-BA1
INSTALLED POSITION	Documented Emerson DeltaV M-series traditional I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Emerson PR6423-002-030	Related industrial automation product	View Emerson PR6423-002-030 page
Emerson CON021	Related industrial automation product	View Emerson CON021 page
Allen-Bradley 22B-D6P0N104	Related industrial automation product	View Allen-Bradley 22B-D6P0N104 page
Bently Nevada 3500-92-04-01-01	Related industrial automation product	View Bently Nevada 3500-92-04-01-01 page
Bently Nevada 3500-33-SIL2-03-01	Related industrial automation product	View Bently Nevada 3500-33-SIL2-03-01 page
Bently Nevada 3500-22M-01-01-01	Related industrial automation product	View Bently Nevada 3500-22M-01-01-01 page
Bently Nevada 3500-15-05-05-01	Related industrial automation product	View Bently Nevada 3500-15-05-05-01 page
Bently Nevada 3500-05-01-02-01-00-01	Related industrial automation product	View Bently Nevada 3500-05-01-02-01-00-01 page

SOURCE IDENTIFIERS

Emerson DeltaV KJ3241X1-BA1 Serial Interface Card certificate and installation information

KJ3241X1-BA1 product certification

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