

INDUSTRIAL AUTOMATION PRODUCT

KJ3241X1-BA1

DeltaV M-series serial interface card

Configured serial communication data between DeltaV and field equipment

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	Emerson DeltaV M-series traditional I/O
Part number	KJ3241X1-BA1
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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



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Technical Specifications

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

PARAMETER	TECHNICAL 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

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System Role and Architecture

Configured serial communication data between DeltaV and field equipment

FUNCTION 1

Uses the exact 12P2506X032 assembly identity

FUNCTION 2

Draws power from the twelve-volt local bus

FUNCTION 3

Supports G3 industrial airborne environments

FUNCTION 4

Uses a keyed D4 terminal-block position

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	DeltaV M-series I/O carrier
Companion hardware	D4-keyed terminal block
Field connection	compatible serial field device
Primary system function	Uses the exact 12P2506X032 assembly identity
Controlled acceptance duty	Serial analyzer integration

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Applications and Engineering Context

Serial analyzer integration

Uses the exact 12P2506X032 assembly identity

Package-unit serial communications

Draws power from the twelve-volt local bus

Legacy subsystem data exchange

Supports G3 industrial airborne environments

DeltaV serial-card replacement

Uses a keyed D4 terminal-block position

TECHNICAL 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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering Precautions

- 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Emerson PR6422-013-041	Related industrial automation product	View Emerson PR6422-013-041 page
Emerson PR6423-010-000	Related industrial automation product	View Emerson PR6423-010-000 page
Emerson CON041	Related industrial automation product	View Emerson CON041 page
Emerson PR9268-202-100	Related industrial automation product	View Emerson PR9268-202-100 page
Emerson PR6424-003-030	Related industrial automation product	View Emerson PR6424-003-030 page
Emerson PR9268-302-100	Related industrial automation product	View Emerson PR9268-302-100 page
Emerson PR9268-301-100	Related industrial automation product	View Emerson PR9268-301-100 page
Emerson PR9268-201-100	Related industrial automation product	View Emerson PR9268-201-100 page

MANUFACTURER SOURCE RECORD

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

KJ3241X1-BA1 product certification

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