The card occupies a keyed DeltaV I/O position between the LocalBus and the documented field circuit. Engineering acceptance depends on the exact KJ3001X1-BA1 1290549X152 marking, the matching terminal-block key, approved field wiring and the installed DeltaV hardware record.

Field circuit

Documented signals and field power

KJ3001X1-BA1 1290549X152

DI, 8-channel, 24 VDC isolated card

DeltaV LocalBus

Controller communication and diagnostics

1	Record the complete Emerson KJ3001X1-BA1 1290549X152 marking and cabinet position.
2	Apply the approved safe-work and electrical isolation procedure.
3	Remove field power before connecting or disconnecting the device.
4	Verify the LocalBus and field-circuit ratings against the project drawing.

PRE-WORK HOLD POINT

Confirm the complete KJ3001X1-BA1 1290549X152 nameplate, installed terminal block, wiring diagram, field power and DeltaV cabinet record before removal, replacement or energization.

5	Set the terminal-block rotary key to the manufacturer-documented position.
6	Inspect the card, carrier, connector and field wiring before insertion.
7	Check channel states, controller diagnostics and affected loop response.
8	Record the as-left configuration and acceptance results before release.

CONNECTION DECISIONS

Preserve the complete KJ3001X1-BA1 1290549X152 identity before replacement. Isolate field energy as required by the Emerson instruction sheet, verify the terminal-block key and wiring diagram, then confirm channel status and system diagnostics before returning the affected loops to service.

TECHNICAL ACCEPTANCE

The exact sheet requires field-power removal before connection changes and gives conditional system-power insertion rules for one unit at a time with the specified dual DC/DC supply boundary. The exact KJ3001X1-BA1 card function is documented; the secondary identifier must be verified from the installed label because the manufacturer sheet does not decode every order-number revision.

How many isolated inputs does Emerson KJ3001X1-BA1 1290549X152 provide?

The KJ3001X1-BA1 manufacturer sheet identifies eight isolated 24 VDC discrete-input channels.

What LocalBus demand must the cabinet support for Emerson KJ3001X1-BA1 1290549X152?

The card electronics require 12 VDC at 100 mA from the LocalBus supply.

Which terminal-block key belongs with Emerson KJ3001X1-BA1 1290549X152?

The documented rotary-key position is A4, which must match the installed terminal block before insertion.

What field input applies per channel on Emerson KJ3001X1-BA1 1290549X152?

The exact card sheet lists a 24 VDC field circuit at 5 mA per channel.

When must field power be removed from Emerson KJ3001X1-BA1 1290549X152?

Field power must be removed before connecting or disconnecting the device.

Can Emerson KJ3001X1-BA1 1290549X152 be inserted with system power present?

Only the conditional one-unit insertion method and the specified dual DC/DC supply boundary in the manufacturer instruction may be used; otherwise system power must be de-energized.

What operating environment is documented for Emerson KJ3001X1-BA1 1290549X152?

The sheet lists 0 to +60 degrees C, 5 to 95% non-condensing relative humidity and an IP20 rating.

AS-LEFT TECHNICAL CHECK

Preserve the complete KJ3001X1-BA1 1290549X152 identity before replacement. Isolate field energy as required by the Emerson instruction sheet, verify the terminal-block key and wiring diagram, then confirm channel status and system diagnostics before returning the affected loops to service.

RELEASE HOLD POINT

Confirm the complete KJ3001X1-BA1 1290549X152 nameplate, installed terminal block, wiring diagram, field power and DeltaV cabinet record before removal, replacement or energization.

MANUFACTURER SOURCE

Emerson Process Management ATEX Instruction Sheet D803021X012, KJ3001X1-BA1, February 2003

Related Emerson catalog pages

Browse related automation products. These links do not establish interchangeability.

Emerson KC4011X1-BW1	View product
Emerson KC4011X1-BZ1	View product
Emerson KJ1501X1-BC4 13P0063X052	View product

AS-LEFT RECORD

Confirm the complete KJ3001X1-BA1 1290549X152 nameplate, installed terminal block, wiring diagram, field power and DeltaV cabinet record before removal, replacement or energization.

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KJ3001X1-BA1 1290549X152