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 12P0549X112 marking, the matching terminal-block key, approved field wiring and the installed DeltaV hardware record.

Field circuit

Documented signals and field power

KJ3001X1-BA1 12P0549X112

DI, 8-channel, 24 VDC isolated card

DeltaV LocalBus

Controller communication and diagnostics

1	Record the complete Emerson KJ3001X1-BA1 12P0549X112 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 12P0549X112 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 12P0549X112 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.

What card function is documented for Emerson KJ3001X1-BA1 12P0549X112?

The exact KJ3001X1-BA1 sheet documents an eight-channel, isolated 24 VDC discrete-input card; retain the complete secondary marking during replacement.

What shock limit is listed for Emerson KJ3001X1-BA1 12P0549X112?

The manufacturer instruction lists a 10 g half-sine shock for 11 ms.

What vibration limits apply to Emerson KJ3001X1-BA1 12P0549X112?

The sheet lists 1 mm peak-to-peak from 5 to 16 Hz and 0.5 g from 16 to 150 Hz.

Which contaminant classification is stated for Emerson KJ3001X1-BA1 12P0549X112?

The documented airborne-contaminant level is ISA-S71.04-1985 Class G3.

How should enclosure protection be assessed for Emerson KJ3001X1-BA1 12P0549X112?

The card is rated IP20 and the stated humidity limit is 5 to 95% non-condensing, so cabinet protection must preserve those conditions.

Does Emerson KJ3001X1-BA1 12P0549X112 have a field-calibration task?

No. The manufacturer states that the unit has no user-serviceable parts and requires no calibration.

How should the 12P0549X112 identifier be handled on Emerson KJ3001X1-BA1 12P0549X112?

Retain and compare the complete installed marking because the card-level instruction establishes KJ3001X1-BA1 ratings but does not decode every secondary order-number revision.

AS-LEFT TECHNICAL CHECK

Preserve the complete KJ3001X1-BA1 12P0549X112 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 12P0549X112 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 KJ3003X1-EA1	View product
Emerson KJ3101X1-BA1 12P1865X062	View product
Emerson KJ3101X1-BB1 12P1866X062	View product

AS-LEFT RECORD

Confirm the complete KJ3001X1-BA1 12P0549X112 nameplate, installed terminal block, wiring diagram, field power and DeltaV cabinet record before removal, replacement or energization.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

KJ3001X1-BA1 12P0549X112