DO, 8-channel, 24 VDC high-side card

Emerson KJ3001X1-BJ1 12P0555X152 is a DeltaV DO, 8-channel, 24 VDC high-side card. The manufacturer instruction sheet defines its card function, power boundary, environmental ratings and keyed terminal-block interface for controlled installation and service.

- Eight 24 VDC high-side discrete outputs
- 12 VDC LocalBus electronics supply
- Bussed field power for the output group
- Rotary-keyed B6 terminal-block interface

Field circuit

Documented signals and field power

KJ3001X1-BJ1 12P0555X152

DO, 8-channel, 24 VDC high-side card

DeltaV LocalBus

Controller communication and diagnostics

SYSTEM POSITION

The card occupies a keyed DeltaV I/O position between the LocalBus and the documented field circuit. Engineering acceptance depends on the exact KJ3001X1-BJ1 12P0555X152 marking, the matching terminal-block key, approved field wiring and the installed DeltaV hardware record.

IDENTITY HOLD POINT

Confirm the complete KJ3001X1-BJ1 12P0555X152 nameplate, installed terminal block, wiring diagram, field power and DeltaV cabinet record before removal, replacement or energization.

Card function	DO, 8-channel, 24 VDC, high side
LocalBus power	12 VDC at 150 mA
Bussed field power	60 VDC maximum; 24 VDC nominal; 6 A per card
Field circuit	60 VDC at 1.5 A per channel; 6 A maximum per card
Ambient temperature	0 to +60 degrees C
Relative humidity	5 to 95% non-condensing; IP20 rating

INTEGRATION RECORD

Preserve the complete KJ3001X1-BJ1 12P0555X152 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.

DOCUMENT CONTROL

Emerson DeltaV M-series hardware / ATEX instruction data for KJ3001X1-BJ1 DO 24 VDC High-Side card

Shock	10 g half-sine for 11 ms
Vibration	1 mm peak-to-peak from 5 to 16 Hz; 0.5 g from 16 to 150 Hz
Airborne contaminants	ISA-S71.04-1985 Class G3
Terminal-block key	B6
Maintenance	No user-serviceable parts; no calibration

ENGINEERING NOTE

The high-side card uses shared bussed field power; verify both the per-channel limit and the total card-current limit before commissioning outputs. The complete 12P0555X152 marking is retained as supplied; the card-level manufacturer data establishes the KJ3001X1-BJ1 function and limits.

DELTAV PROCESS I/O

Use the do, 8-channel, 24 vdc high-side card in the approved DeltaV I/O architecture with the exact keyed termination.

CABINET REPLACEMENT

Restore a documented installed position after identity, field energy, wiring and keying are verified.

How does Emerson KJ3001X1-BJ1 12P0555X152 switch its eight outputs?

It is a 24 VDC high-side discrete-output card using shared bussed field power.

What bussed field-power boundary applies to Emerson KJ3001X1-BJ1 12P0555X152?

The documented boundary is 60 VDC maximum, 24 VDC nominal and 6 A maximum per card.

What channel-current limit applies to Emerson KJ3001X1-BJ1 12P0555X152?

The field circuit is limited to 60 VDC at 1.5 A per channel while the entire card remains within 6 A.

Which terminal-block key prevents a mismatch for Emerson KJ3001X1-BJ1 12P0555X152?

The manufacturer data identifies rotary-key position B6.

Why must both channel and total current be checked on Emerson KJ3001X1-BJ1 12P0555X152?

The shared high-side field supply has both a per-channel limit and a total card-current limit, so satisfying only one does not establish acceptance.

What ambient range is listed for Emerson KJ3001X1-BJ1 12P0555X152?

The documented operating ambient is 0 to +60 degrees C with 5 to 95% non-condensing humidity.

What proves Emerson KJ3001X1-BJ1 12P0555X152 is ready after replacement?

Verify B6 keying, bussed field power, per-channel and total current, channel states and DeltaV controller diagnostics before release.

COMMISSIONING ACCEPTANCE

Preserve the complete KJ3001X1-BJ1 12P0555X152 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 RECORD

Confirm the complete KJ3001X1-BJ1 12P0555X152 nameplate, installed terminal block, wiring diagram, field power and DeltaV cabinet record before removal, replacement or energization.

MANUFACTURER SOURCE

Emerson DeltaV M-series hardware / ATEX instruction data for KJ3001X1-BJ1 DO 24 VDC High-Side card

Related Emerson catalog pages

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

Emerson KJ4006X1-BP1	View product
Emerson KL4201X1-BA1	View product
Emerson 098-01257-01 01257-00-412	View product

RELEASE BOUNDARY

Confirm the complete KJ3001X1-BJ1 12P0555X152 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-BJ1 12P0555X152