Product dashboard

Emerson KJ3002X1-BC1 12P0681X092 is a legacy eight-channel analog-input card for 4-20 mA field loops. It remains tied to the installed terminal execution, carrier keying and loop-power design.

Exact model	Product type	System family	Functional role
KJ3002X1-BC1 12P0681X092	DeltaV 8-Channel 4-20 mA Analog Input Card	DeltaV M-series Traditional I/O	Analog Input Card

PARAMETER	DOCUMENTED VALUE
Exact model	KJ3002X1-BC1 12P0681X092
I/O function	Analog input
Channels	8
Nominal signal	4 to 20 mA
Field-loop type	Two-wire current transmitters
Conversion	16-bit A/D family architecture
Calibration	Not required
Terminal relationship	Match installed key and terminal block

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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KJ3002X1-BC1 12P0681X092

System overview

KJ3002X1-BC1 12P0681X092 acquires eight current-loop measurements while keeping field wiring, supply and channel assignments under the original DeltaV engineering record.

Exact-position replacement

Matches KJ3002X1-BC1 12P0681X092 to the recorded host, position and companion hardware before changeout.

Interface restoration

Rebuilds the documented power, signal, keying and protective interfaces for KJ3002X1-BC1 12P0681X092.

Configuration-controlled service

Restores settings and assignments from the approved record rather than a neighboring module.

Acceptance and handover

Confirms diagnostics and the controlled functional response of KJ3002X1-BC1 12P0681X092 before release.

SYSTEM POSITION	RECORD
Installed identity	KJ3002X1-BC1 12P0681X092
Host relationship	DeltaV M-series Traditional I/O
Controlled function	acquisition of eight 4-20 mA field-current channels

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Technical data map

PARAMETER	VERIFIED VALUE
Exact model	KJ3002X1-BC1 12P0681X092
I/O function	Analog input
Channels	8
Nominal signal	4 to 20 mA
Field-loop type	Two-wire current transmitters
Conversion	16-bit A/D family architecture
Calibration	Not required
Terminal relationship	Match installed key and terminal block
Configuration rule	Restore each channel from the approved project
Acceptance	Loop current, diagnostics and process scaling verified

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	acquisition of eight 4-20 mA field-current channels

Technical evidence record: Emerson-authored legacy card instruction and current M-series I/O documentation

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Applications and precautions

1. Confirm the complete KJ3002X1-BC1 12P0681X092 marking and documented hardware role before work.
2. Place the connected process and controller hardware in the approved maintenance state.
3. Record the host position, companion parts, cable direction, terminal assignments and active configuration.
4. Isolate every documented power, signal and stored-energy source before disconnecting hardware.
5. Protect keyed connectors, electronic contacts and labeled field conductors during handling.
6. Restore only the recorded power, wiring, grounding, shielding and configuration arrangement.
7. Energize in a controlled sequence and review module, carrier, controller and field diagnostics.
8. Function-test acquisition of eight 4-20 mA field-current channels and retain the acceptance record before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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KJ3002X1-BC1 12P0681X092

Buyer and engineering FAQ

What is the documented role of KJ3002X1-BC1 12P0681X092?

It is identified as a deltav 8-channel 4-20 ma analog input card used for acquisition of eight 4-20 mA field-current channels.

Why must the complete KJ3002X1-BC1 12P0681X092 identity be retained?

The full model and suffix distinguish the installed execution from similar-looking revisions and related hardware.

Which value is documented for KJ3002X1-BC1 12P0681X092 i/o function?

The verified product record gives i/o function as Analog input.

How is channels specified for KJ3002X1-BC1 12P0681X092?

The verified product record gives channels as 8.

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