Product dashboard

Emerson KJ3002X1-BE1 12P0682X052 is retained as the complete item marking for an eight-channel DeltaV analog-output position. Manufacturer documentation supports the KJ3002X1-BE1 base model as a 4-20 mA HART output card.

Exact model	Product type	System family	Functional role
KJ3002X1-BE1 12P0682X052	8-Channel 4-20 mA HART Analog Output Card	DeltaV M-series	DeltaV Analog Output Card

PARAMETER	DOCUMENTED VALUE
Complete item marking	KJ3002X1-BE1 12P0682X052
Documented base model	KJ3002X1-BE1
Output channels	8
Signal range	4 to 20 mA
Digital protocol	HART pass-through
LocalBus power	12 V DC at 150 mA maximum
Field power	24 V DC at 300 mA maximum
Field circuit	24 V DC at 23 mA per channel

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

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KJ3002X1-BE1 12P0682X052

System overview

At the final-control boundary, KJ3002X1-BE1 converts eight DeltaV output values into individual 4-20 mA loops while passing supported HART communication. Loop loading, field supply, channel mapping and fail-state behavior must be verified in the installed system.

Final-control output

Drives eight documented 4-20 mA field loops from the DeltaV I/O subsystem.

HART device communication

Passes supported HART data through each configured analog-output path.

Loop-load validation

Confirms field supply, load and terminal arrangement before enabling outputs.

Controlled stroke testing

Checks each connected final element under the approved maintenance procedure.

SYSTEM POSITION	RECORD
Installed identity	KJ3002X1-BE1 12P0682X052
Host relationship	DeltaV M-series
Controlled function	eight-channel HART analog output

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Technical data map

PARAMETER	VERIFIED VALUE
Complete item marking	KJ3002X1-BE1 12P0682X052
Documented base model	KJ3002X1-BE1
Output channels	8
Signal range	4 to 20 mA
Digital protocol	HART pass-through
LocalBus power	12 V DC at 150 mA maximum
Field power	24 V DC at 300 mA maximum
Field circuit	24 V DC at 23 mA per channel
Conversion resolution	12 bit
Reference accuracy	0.25% of span

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	eight-channel HART analog output

Technical evidence record: DeltaV M-series Traditional I/O, Emerson product data sheet

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Applications and precautions

1. Confirm the complete Emerson KJ3002X1-BE1 12P0682X052 marking against the receiving record before work.
2. Place the connected process, rack, machinery and control functions in the approved maintenance state.
3. Record the installed position, wiring, terminal hardware, settings and companion components before removal.
4. Isolate every affected electrical and process-energy source and verify the safe state.
5. Protect keyed connectors, terminals and electronics from contamination, strain and electrostatic damage.
6. Restore only the recorded wiring, grounding, shielding, settings and matched companion hardware.
7. Energize in the controlled sequence and review every available module, rack and system diagnostic.
8. Function-test eight-channel HART analog output and retain the signed acceptance result 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-BE1 12P0682X052

Buyer and engineering FAQ

What is the documented purpose of Emerson KJ3002X1-BE1 12P0682X052?

Emerson KJ3002X1-BE1 12P0682X052 is retained as the complete item marking for an eight-channel DeltaV analog-output position. Manufacturer documentation supports the KJ3002X1-BE1 base model as a 4-20 mA

Which product family contains Emerson KJ3002X1-BE1 12P0682X052?

The documented base model belongs to the DeltaV M-series product family.

Which function is documented for Emerson KJ3002X1-BE1 12P0682X052?

For the documented base model, output channels is 8.

What channel or interface detail applies to Emerson KJ3002X1-BE1 12P0682X052?

For the documented base model, signal range is 4 to 20 mA.

Related Apter Power pages

- Emerson KJ2005X1-BK1 12P4688X052 SE3007
- Emerson PR9268/601-000
- Emerson KJ1501X1-BC4 13P0063X052

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