KJ3002X1-BA1 12P0680X072 VE4003S2B2

Emerson / DeltaV HART analog input assembly

Emerson KJ3002X1-BA1 12P0680X072 VE4003S2B2 is offered for a DeltaV M-series I/O installation. The VE4003S2B2 catalog reference identifies an 8-channel 4–20 mA HART input assembly.

Overview

The VE4003S2B2 reference groups a DeltaV I/O card with its specified termination arrangement. In the control system, this input function transfers 4–20 mA HART information between the configured field circuit and controller. The physical KJ3002X1-BA1 and 12P0680X072 markings identify the offered hardware and must be reconciled with the VE assembly code.

The 8-channel catalog arrangement uses fused i/o termination block. The analog input channels acquire 4–20 mA process signals and support HART device information on suitable loops. Wiring and host assignments are governed by the installed project.

Technical specification matrix

Card family	DeltaV M-series Traditional I/O
Physical card marking	KJ3002X1-BA1
Part number	12P0680X072
Catalog assembly reference	VE4003S2B2
Catalog I/O role	8-channel 4–20 mA HART input assembly
Termination arrangement	Fused I/O termination block
Analog loop	4–20 mA with HART
Catalog point count	8 channels

Applications and system fit

DeltaV input
Acquire process transmitter signals for indication, alarm and closed-loop control.

Field interface
The fused i/o termination block must match the installed wiring and carrier.

Control project
Retain the configured channel numbers, engineering units and alarm assignments.

System restoration
Return the affected channels to service only after the approved loop, I/O and diagnostic checks pass.

Product precautions

Match the complete marking
Compare KJ3002X1-BA1 12P0680X072 VE4003S2B2 with the installed label, part number and any revision.

Preserve the configuration
Record the existing channel assignment, host release and termination arrangement.

Review the field connection
Check the 4–20 mA HART wiring and the approved circuit drawing before transfer.

Protect the process
Place affected loops in their approved safe state and isolate power as required.

Source and application boundary

Emerson DeltaV M-series Traditional I/O Product Data Sheet, September 2023.

VE4003S2B2 catalog characteristics describe the documented assembly. Confirm applicability of those characteristics to the complete KJ3002X1-BA1 12P0680X072 VE4003S2B2 physical marking and installed termination arrangement.

Related product references

Separate product listings for project review; confirm each order code and system fit independently.

Emerson KJ1501X1-BC1 12P2186X032 VE5008

Emerson KJ2003X1-BB1 12P3439X012

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Send the complete model and installed-system details when requesting a quotation.