KJ3221X1-BA1 12P2531X102 VE4035S2B1

Emerson / DeltaV redundant HART analog output assembly

Emerson KJ3221X1-BA1 12P2531X102 VE4035S2B1 is offered for a DeltaV M-series I/O installation. The VE4035S2B1 catalog reference identifies an 8-channel 4–20 mA HART output assembly.

Overview

The VE4035S2B1 reference groups a DeltaV I/O card with its specified termination arrangement. In the control system, this output function transfers 4–20 mA HART information between the configured field circuit and controller. The physical KJ3221X1-BA1 and 12P2531X102 markings identify the offered hardware and must be reconciled with the VE assembly code.

The 8-channel catalog arrangement uses redundant standard i/o termination block. The analog output channels send configured 4–20 mA commands and support HART communication with suitable field devices. Wiring and host assignments are governed by the installed project.

Technical specification matrix

Card family	DeltaV M-series Traditional I/O
Physical card marking	KJ3221X1-BA1
Part number	12P2531X102
Catalog assembly reference	VE4035S2B1
Catalog I/O role	8-channel 4–20 mA HART output assembly
Termination arrangement	Redundant standard I/O termination block
Analog loop	4–20 mA with HART
Catalog point count	8 channels
Catalog pairing	Redundant analog output arrangement

Applications and system fit

DeltaV output Deliver proportional field-device commands from the configured control strategy.	**Field interface** The redundant standard i/o termination block must match the installed wiring and carrier.
Redundant output pair Use the redundant catalog arrangement only where output switchover and the matched terminal block are configured in the host project.	**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 KJ3221X1-BA1 12P2531X102 VE4035S2B1 with the installed label, part number and any revision.	**Preserve the configuration** Record the existing channel assignment, host release and termination arrangement.

Source and application boundary

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

VE4035S2B1 catalog characteristics describe the documented assembly. Confirm applicability of those characteristics to the complete KJ3221X1-BA1 12P2531X102 VE4035S2B1 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.