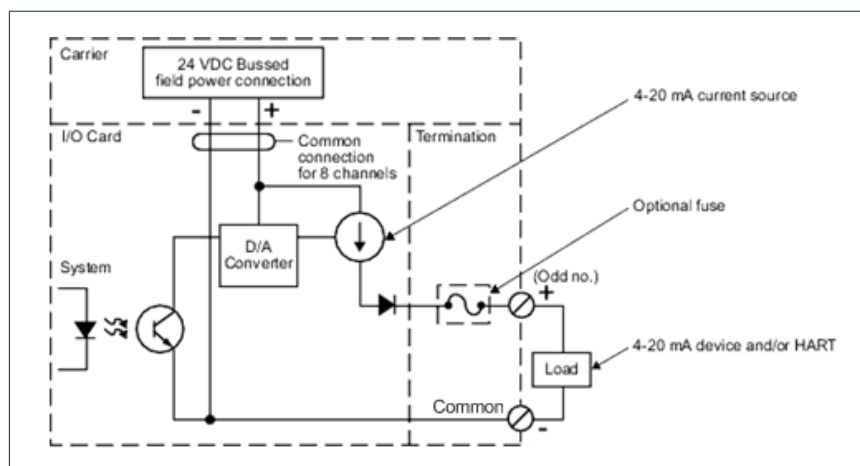


DeltaV M-series Traditional I/O

March 2026

Analog Output I/O Cards

Item	Specification
Number of Channels	Eight
Isolation	Each channel is optically isolated from the system and factory tested to 1500V DC
Nominal Signal Range (span)	4 to 20 mA
Full Signal Range	1 to 23 mA
LocalBus Current (12V DC nominal) per Card	100 mA typical, 150 mA maximum
Field Circuit Power per Card	300 mA maximum @ 24V DC (+/-10%)
Accuracy Over Temperature Range	0.25% of span
Resolution	12-bit
Output Compliance	20 mA at 21.6V DC supply into 700 ohms load
Calibration	Information stored on card.
Optional Fuse	2.0 A



Simplified Circuit and Connection Diagram for Simplex AO Card, 8-channel, 4 to 20 mA, HART.

DeltaV M-series Traditional I/O

March 2026

Analog Output Cards and Termination Blocks	
Description	Model Number
8 Channels 4-20 mA, HART	
Standard I/O Termination Block	VE4005S2B1**
Redundant Standard I/O Termination Block	VE4035S2B1**
Fused I/O Termination Block	VE4005S2B2**
16-Pin Mass Termination Block	VE4005S2B3**
16 Channels 4-20 mA, HART, Plus Card	
16-Channel AO Terminal Block for Series 2 Plus	VE4005S2B4
Redundant 16-Channel AO Terminal Block for Series 2 Plus	VE4035S2B4
48-pin AO Mass Termination Block for Series 2 Plus (to be used with P+F HiC IS barriers and termination boards for DeltaV DCS)	VE4005S2B5
48-pin AO Mass Termination Block for Series 2 Plus including 16-channel Analog Mass Connection Boards*	VE4055S2B5
Redundant 48-pin AO Mass Termination Block for Series 2 Plus (to be used with P+F HiC IS barriers and termination boards for DeltaV DCS)	VE4035S2B5
Redundant 48-pin AO Mass Termination Block for Series 2 Plus including 16-channel Analog Mass Connection Boards*	VE4085S2B5

*For more details on the Mass Connection Boards and connection cables, please refer to the **M-series Mass Connection Solutions** PDS.

**Supported on DeltaV v10.3.1 and later. If card will be used on earlier DeltaV versions, please request KJ3221X1-BA2.



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PRODUCT: KJ3221X1-BA2 / DeltaV M-series 8-Channel 4-20 mA HART Analog Output Card

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