External Connectors	
Primary Power	DC Input, 3-wire

LocalBus Isolator

The DeltaV LocalBus Isolator protects the I.S. I/O from fault voltages from AC main power supplies. The LocalBus Isolator also links intrinsically safe I/O with non-intrinsically-safe I/O. The following table gives the specifications for the DeltaV LocalBus Isolator.

LocalBus Isolator Specifications		
Dimensions	**Centimeters**	**Inches**
Height	11.0	4.3
Width	4.2	1.7
Depth	16.0	6.2
Weight	250 grams	8.7 oz

Carriers

All DeltaV I.S. I/O cards are contained in modular 8-wide carriers. Connect the carriers in the most efficient configuration for your plant. The carriers have multi-pin connectors to ensure that I.S. I/O is never connected to non-I.S. I/O.

Power supplies for I.S. I/O modules using field wiring have their own modular carriers. These carriers connect between the I/O carriers.

Use a LocalBus isolator to connect I.S. I/O with non-I.S. field wiring. The LocalBus isolator resides on its own carrier.

Carrier Specifications

Common Environmental Specifications for all Carriers	
Category	**Specifications**
Relative Humidity	5 to 95%, Non-condensing
Airborne Contaminants	ISA-S71.04-1985 Airborne Contaminants Class G3
Protection Rating	IP 20
Shock	10 g ½-sine Wave for 11 ms

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M-series Intrinsically Safe I/O

July 2023

Vibration	1 mm peak-to-peak from 5 to 16 Hz; 0.5 g from 16 to 150 Hz
Hazardous Area/Location*	Zone 2 IIC T4 hazardous areas Class I, Div 2, Groups A, B, C, D T4 hazardous locations.

*Refer to Zone 0 installation instructions (12P1990) for information on installing in hazardous areas.

8-Wide I.S. I/O Carrier Specifications		
Capacity	Eight I/O Cards and Eight Terminal Blocks	
Dimensions	**Centimeters**	**Inches**
Height	16.5	6.5
Width	33.6	13.2
Depth	3.1	1.2

I.S. I/O Power Supply Carrier Specifications		
Capacity	One I.S. Power Supply	
Dimensions	**Centimeters**	**Inches**
Height	16.5	6.5
Width	8.4	3.3
Depth	3.1	1.2

LocalBus Isolator Carrier Specifications		
Capacity	One LocalBus Isolator	
Dimensions	**Centimeters**	**Inches**
Height	16.5	6.5
Width	8.4	3.3
Depth	3.1	1.2

I.S. 1-wide Carrier Extender (Left and Right) Specifications		
Capacity	Single Cable	
Dimensions	**Centimeters**	**Inches**
Height	16.5	6.5
Width	4.2	1.7
Depth	3.1	1.2

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System Compatibility

M-series I/O cards are not compatible with S-series Controllers and Carriers.

Ordering Information

Description	Model Number
8-channel AI, 4-20 mA with HART with I/O Term Block with Loop Disconnect Term Block	 VE4012S2B1 VE4012S2B2
8-channel AO, 4-20 mA with HART with I/O Term Block with Loop Disconnect Term Block	 VE4013S2B1 VE4013S2B2
16-channel DI, Switch/Proximity Detector	VE4010B1
4-channel, DO, Solenoid Driver, IIC Gas Groups with I/O Term Block with Loop Disconnect Term Block	 VE4011B1 VE4011B2
8-wide Carrier without Carrier Extension Cable with Carrier Extension Cable	VE4060C0 VE4060C1
24 VDC Input I/O Module Supply and Carrier	VE5010
LocalBus Isolator and Carrier	VE4070

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PRODUCT: VE4060C1 / DeltaV M-series 8-Wide Intrinsically Safe I/O Carrier with Extension Cable

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