

## M-series FOUNDATION Fieldbus Series 2 Plus I/O

September 2023

| Specifications for H1 card, 4-Port, FOUNDATION Fieldbus Series 2 Plus I/O |                                                                                                    |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Number of Channels (ports)                                                | 4                                                                                                  |
| Number of Field Devices                                                   | 16 per port<br>(dependent on device power consumption – an IS requirement)                         |
| Isolation                                                                 | Each channel is isolated from the system and from each other and factory tested to 1000V DC for 2s |
| Nominal Signal Range (span)                                               | Fieldbus FOUNDATION IEC 61158-2                                                                    |
| Localbus Current per Card (12V DC nominal)                                | 200 mA typical, 300 mA maximum                                                                     |
| Field Circuit Power per Card                                              | 9 TO 12V DC, 12 mA per channel                                                                     |
| Standards                                                                 | IEC 1158 data link layer                                                                           |
| Airborne Contaminants                                                     | ISA-S71.04-1985 Airborne Contaminants Class G3<br>Conformal coating                                |

### Certifications

The following certifications are available for M-series 4-port FOUNDATION Fieldbus I/O (see actual certificates for exact certifications):

■ **CE:**

EMC: EN 61326-1

■ **FM:**

FM 3600  
FM 3611

■ **CSA:**

CSA C22.2 No. 213  
CSA C22.2 No. 1010-1

■ **ATEX:**

EN60079-0  
EN60079-7

■ **IEC-Ex:**

IEC60079-0  
IEC60079-7

■ **Marine Certifications:** IACS E10

ABS Certificate of Design Assessment  
DNV Marine Certificate

### Hazardous Area/Location

The M-series 4-port FOUNDATION Fieldbus I/O card can be installed and used based on the following standards (see actual certificates for exact product markings):

■ **FM (USA):**

Class I, Division 2, Groups A, B, C, D, T4

■ **cFM (Canada):**

Class I, Division 2, Groups A, B, C, D, T4

■ **ATEX:**

II 3G Ex ec IIC T4 Gc

■ **IEC-Ex:**

II 3G Ex ec IIC T4 Gc

*Regarding the Installation instructions please refer to the following Documents:  
Class 1 Division 2 Installation Instructions DeltaV M-series 12P1293  
Zone 2 Installation Instructions DeltaV M-series 12P2046*

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### Ordering Information

| Description                                                                                       | Model Number |
|---------------------------------------------------------------------------------------------------|--------------|
| Simplex H1 Fieldbus Interface Series 2 Plus, Four Segments, Standard Termination Block            | VE4019P0     |
| Redundant H1 Fieldbus Interface Series 2 Plus, Four Segments, Two-Wide Standard Termination Block | VE4039P0     |
| H1 Fieldbus Card Series 2 Plus, Four Segments                                                     | KC3030X1-BA3 |
| Termination Block for Simplex H1 Fieldbus Interface Series 2 Plus, Four Segments                  | KC4011X1-BL1 |
| Termination Block for Redundant H1 Fieldbus Interface Series 2 Plus, Four Segments                | KC4011X1-BF1 |

### Prerequisites

- A fieldbus power supply is required for each bus segment.
- Each fieldbus segment must be terminated at both ends. A fieldbus brick and terminator for each segment are recommended.

### Compatibilities

- M-series FOUNDATION Fieldbus Series 2 Plus I/O requires DeltaV v13.3.1 or higher

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