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Datasheet Updates

[V-Series Isolator datasheets](#) have been updated for VDE 0884-17 Reinforced Isolation, best-in-class 1.2 kV_{rms} Working Voltage, and Intrinsically Safe certifications.

Holiday

NVE will be closed **Monday, September 5** for Labor Day.

VDE 0884-17 Reinforced Isolators

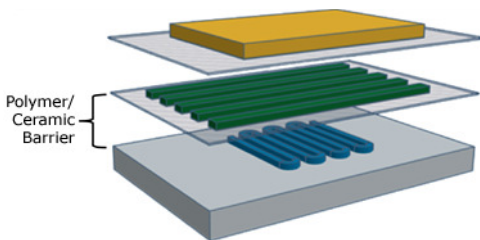


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NVE's remarkable 6 kV "V-Series" isolators have always had best-in-class isolation voltage, Working Voltage, MTBF, and barrier resistance. And now they're some of the first isolators certified for Reinforced Isolation under VDE 0884-17, the new "gold standard" for isolation.

Reinforced Isolators That Are Actually Reinforced

Other isolators use single-layer barriers made of flimsy oxide or cheap plastic. They claim "reinforced" by squeaking by on electrical tests, but that doesn't make them reinforced. NVE's unique isolation barrier uses a special polymer formulation reinforced with ceramic for the industry's toughest barrier.



V-Series Isolator Construction

Intrinsically Safe

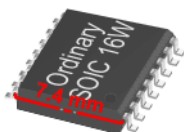
In addition best-in-class isolation, several V-Series part types are ATEX / IEC 60079 certified for IS-to-IS intrinsically safe applications. The devices have a full with a 500 V_{rms} intrinsic safety rating, and unlike other isolators, they are rated for the full Safety Extra Low Voltage (SELV) range of 24 to 60 volts.

Best-in-Class Speed, Power, and EMI

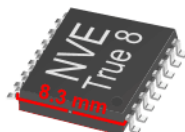
You shouldn't have to sacrifice performance for safety. NVE isolators have best-in-class performance including speed to 110 Mbps, low power, and virtually undetectable EMI emissions that will won't run afoul of EMI standards.

True 8™ Package

NVE's exclusive True 8™ package has true 8-millimeter creepage per IEC 60601 in a 16-pin JEDEC-compatible wide-body outline:



Ordinary Package



True 8™ Package

Key VDE V 0884-17 **specifications** are:

- Isolation voltage (V_{iso}) 6 kV_{rms}
- Working voltage (V_{iorm}) 1.2 kV_{rms}
- Surge immunity (V_{isom}) 12.8 kV_{pk}
- Surge rating 8 kV
- Transient overvoltage (V_{iotm}) 6 kV_{pk}

Multiple Configurations; Good Availability

V-Series isolators are available in a full range of channel configurations with the shortest leadtimes in the industry:

Part Number (click for datasheet)	Data Rate (Mbps)	Transmit/ Receive Channels
IL711VE	110	2/0
IL715VE	110	4/0
IL716VE	110	2/2
IL717VE	110	3/1
IL721VE	110	1/1
IL260VE	110	5/0
IL261VE	110	4/1
IL262VE	110	3/2
IL3522VE	40	RS-422 Transceiver
IL3585VE	40	RS-485 Transceiver
IL3685VE	40	RS-485/ PROFIBUS Transceiver
IL41050TTVE	1	CAN Transceiver

[V-Series Isolator Product Line Overview »](#)

[The "Better Barrier" Video Trilogy"—
Isolation, Working Voltage, Surge, and Resistance »](#)

[VDE 0884-17 Reinforced Isolation Certificate »](#)