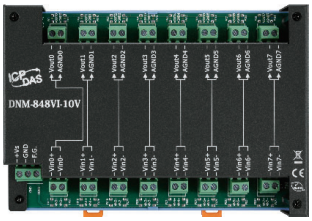


**DNM-843VI-600V**
**DNM-843VI-800V**

3-channel Voltage Attenuator with channel to channel isolation



**DNM-848VI-10V**
**DNM-848VI-80V**
**DNM-848VI-150V**

8-channel Voltage Attenuator with channel to channel isolation

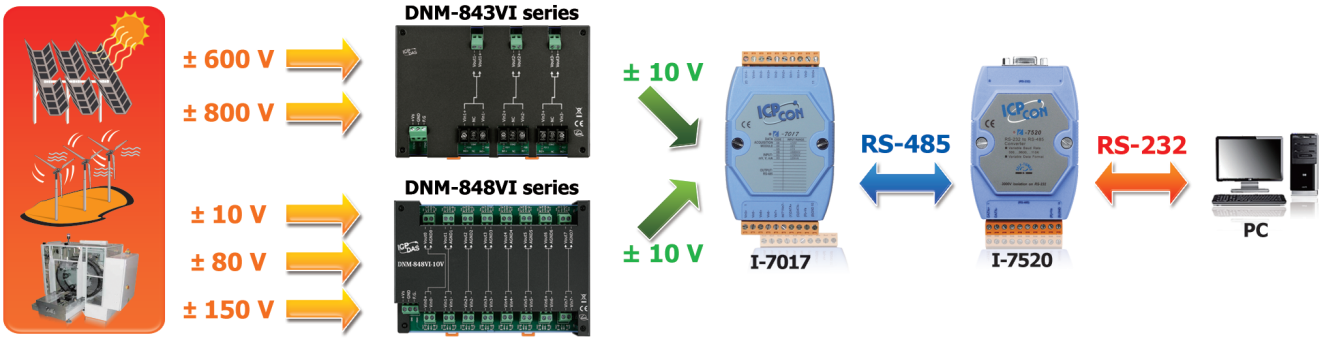
## Features

- AC/DC Source Input
- High Voltage Input Measurement
- Linear Attenuation Ratio
- High Input Impedance
- Channel to Channel Isolation
- 4 kV ESD Protection
- 3 kV Surge Protection
- Easily Wire Connection

## Introduction

The DNM-843VI series and DNM-848VI series are voltage input attenuator. The maximum input range is from ±10 Vpp to ±800 Vpp can be attenuated to ±10 Vpp.
provide 3000 VDC intra-modules isolation and 3000 VDC channel to channel isolation to avoid the noise interference from inputs to outputs or channel to channel. It can be used with the analog input modules such as I-7017, I-87017, M-7017RMS and I-87017W-RMS etc. to measure the high voltage.

## Applications



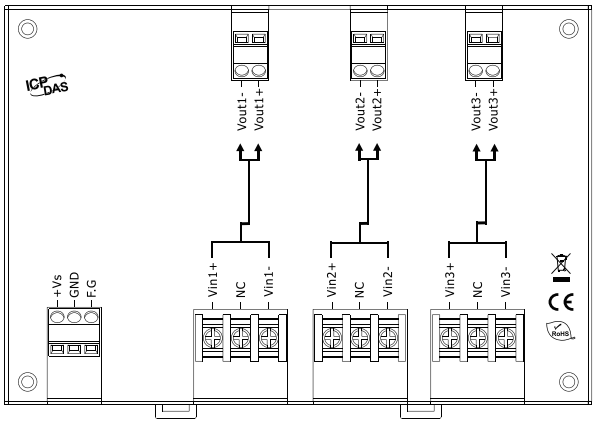

## Selection Guide

**DN M -84 X X X - X**

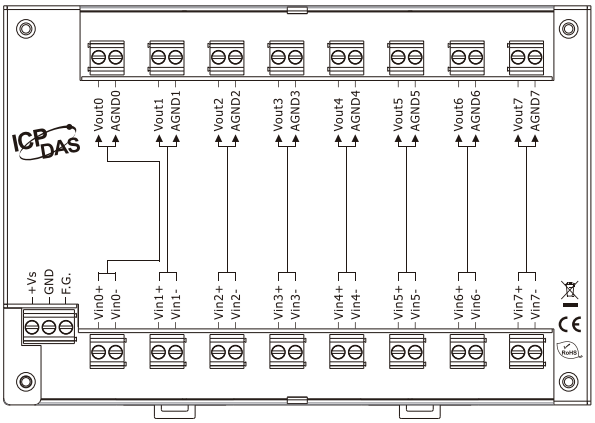
- **M**: M: Metal
- **X** (Number of Channels): 3: 3 channels; 8: 8 channels
- **X**: V: Voltage
- **X**: I: Channel to Channel Isolation
- **X**: Input Voltage Range

## Appearance

**DNM-843VI-600V/DNM-843VI-800V**




**DNM-848VI-10V/DNM-848VI-80V/DNM-848VI-150V**



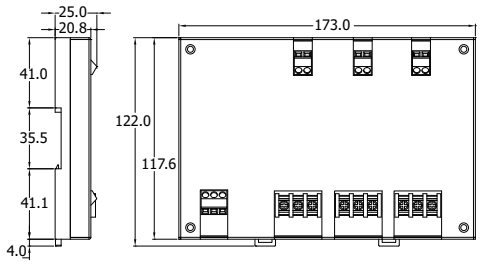

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## Specifications

| Models | DNM-843VI-600V | DNM-843VI-800V | DNM-848VI-10V | DNM-848VI-80V | DNM-843VI-150V |
|---|---|---|---|---|---|
| **EMS Protection** | | | | | |
| ESD (IEC 61000-4-2) | ±4 kV contact for power line, input and output channels, ±8 kV air for random point | | | | |
| Surge (IEC 61000-4-5) | ±3 kV for power liner | | | | |
| **Analog Input** | | | | | |
| Channels | 3 | | 8 | | |
| Type | AC/DC Voltage | | | | |
| Range | ±600 Vpp | ±800 Vpp | ±10 Vpp | ±80 Vpp | ±150 Vpp |
| Accuracy | 1% of FSR | | | | |
| Bandwidth | 30 KHz | | | | |
| Input Impedance | >1 MΩ | | | | |
| Channel-to-Channel Isolation | 3000 VDC | | | | |
| Intra-module Isolation | 3000 VDC | | | | |
| **Analog Output** | | | | | |
| Channels | 3 | | 8 | | |
| Type | AC/DC Voltage | | | | |
| Range | ±10 Vpp | | | | |
| **Power Input** | | | | | |
| Input Range | +10 ~ +30 VDC | | | | |
| Power Consumption | 0.56 W | | 9.2 W | | |
| **Mechanical** | | | | | |
| Casing | Metal | | | | |
| Dimensions (W x L x D) | 173 mm x 122 mm x 25 mm | | 173 mm x 122 mm x 35 mm | | |
| Installation | DIN-Rail Mounting | | | | |
| **Environment** | | | | | |
| Operating Temperature | -25 ~ +75 °C | | | | |
| Storage Temperature | -30 ~ +75 °C | | | | |
| Humidity | 10 ~ 90% RH, Non-condensing | | | | |

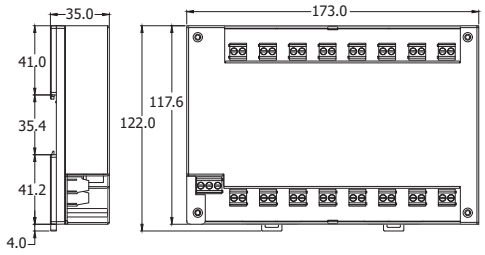
## Dimensions (Units: mm)

**DNM-843VI-600V/DNM-843VI-800V**




Left View | Front View

**DNM-848VI-10V/DNM-848VI-80V/DNM-848VI-150V**




Left View | Front View

## Ordering Information

| | |
|---|---|
| **DNM-843VI-600V CR** | 3-channel ±600 Vpp Voltage Attenuator with channel to channel isolation (Metal) (RoHS) |
| **DNM-843VI-800V CR** | 3-channel ±800 Vpp Voltage Attenuator with channel to channel isolation (Metal) (RoHS) |
| **DNM-848VI-10V CR** | 8-channel ±10 Vpp Voltage Attenuator with channel to channel isolation (Metal) (RoHS) |
| **DNM-848VI-80V CR** | 8-channel ±80 Vpp Voltage Attenuator with channel to channel isolation (Metal) (RoHS) |
| **DNM-843VI-150V CR** | 8-channel ±150 Vpp Voltage Attenuator with channel to channel isolation (Metal) (RoHS) |

## Accessories

| | |
|---|---|
|  MDR-20-24 CR | 24 V/1 A, 24 W Power Supply with DIN-Rail Mounting (RoHS) |
|  I-7017-G CR | 8-channel Analog Input Module with DCON Protocol (Gray Cover) (RoHS) |
|  I-87017-G CR | 8-channel Analog Input Module (RoHS) |

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