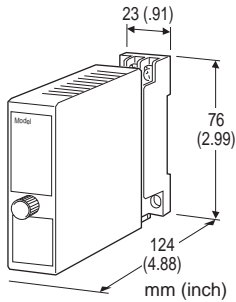


Super-mini Signal Conditioners Mini-M Series

VOLTAGE DIVIDER

Functions & Features

- Steps down a voltage too high to be input to a general transmitter
- Divided to 1/1000 or by a specified ratio



MODEL: M2VV-[1][2]

ORDERING INFORMATION

- Code number: M2VV-[1][2]
- Specify a code from below for [1] and [2].
(e.g. M2VV-1/Q)
- Special ratio (For code 0)
 - Specify the specification for option code /Q
(e.g. /C01/S01)

[1] DIVIDING RATIO

- 1: 1/1000
0: Specify

[2] OPTIONS

Other Options

- blank: none
/Q: Option other than the above (specify the specification)

SPECIFICATIONS OF OPTION: Q (multiple selections)

COATING (For the detail, refer to M-System's web site.)

- /C01: Silicone coating
- /C02: Polyurethane coating
- /C03: Rubber coating

TERMINAL SCREW MATERIAL

- /S01: Stainless steel

GENERAL SPECIFICATIONS

- Construction: Plug-in
- Connection: M3 screw terminals (torque 0.8 N·m)
- Housing material: Flame-resistant resin (black)

INPUT & OUTPUT

- Dividing ratio: 1/300 - 1/1000
- Input voltage: Any specific DC voltage value up to ± 1200 V
- Input resistance: Approx. 1.1 M Ω
- Output voltage: Input Voltage \times Dividing Ratio
- Output resistance: Approx. 1.1 k Ω with 1/1000 ratio;
Output Resistance [k Ω] \approx Dividing Ratio \times 1100

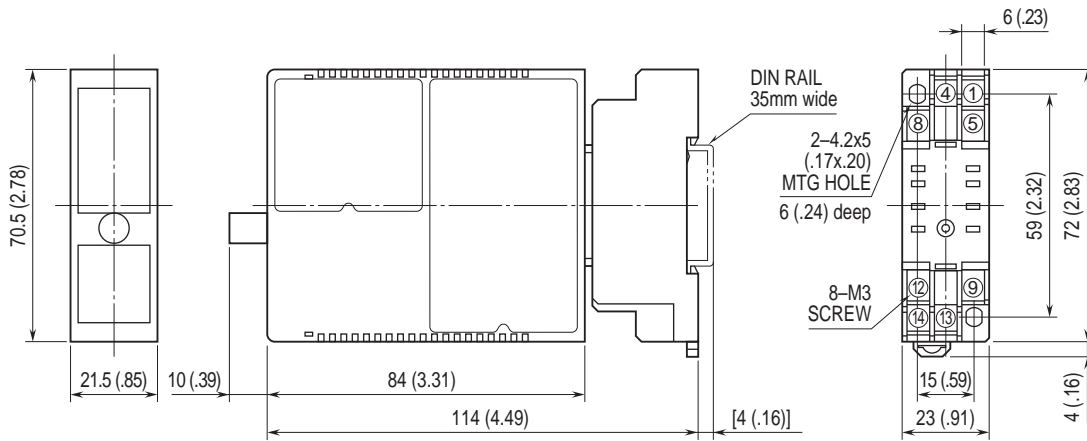
INSTALLATION

- Operating temperature: -5 to +60°C (23 to 140°F)
- Operating humidity: 30 to 90 %RH (non-condensing)
- Mounting: Surface or DIN rail
(Multiple installation bases can not be used.)
- Weight: 150 g (0.33 lbs)

PERFORMANCE in percentage of span

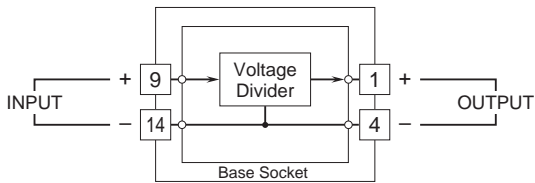
- Accuracy: ± 0.2 %
- Temp. coefficient: ± 0.005 %/°C (± 0.003 %/°F)
- Insulation resistance: ≥ 100 M Ω with 500 V DC
- Dielectric strength: 2000 V AC @1 minute (input or output to ground)

DIMENSIONS unit: mm (inch)



• When mounting, no extra space is needed between units.

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.