

## Super-mini Signal Conditioners Mini-M Series

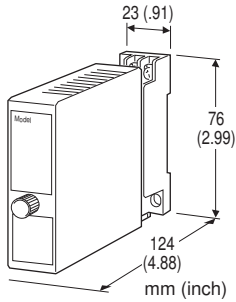
**Screw terminal:** Chromated steel (standard) or stainless steel

**Housing material:** Flame-resistant resin (black)

### 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 each of [1] and [2]. (e.g. M2VV-1/Q)
- Special ratio (e.g. 1/300)
- 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 our web site.)

**/C01:** Silicone coating

**/C02:** Polyurethane coating

**/C03:** Rubber coating

**/C04:** Polyolefin coating

TERMINAL SCREW MATERIAL

**/S01:** Stainless steel

#### GENERAL SPECIFICATIONS

**Construction:** Plug-in

**Connection:** M3 screw terminals (torque 0.8 N·m)

#### INPUT & OUTPUT

**Dividing ratio:** 1/300 - 1/1000

**Input voltage:** Any specific DC voltage value up to  $\pm 1200$  V

**Input resistance:** Approx. 1.1 M $\Omega$

**Output voltage:** Input Voltage  $\times$  Dividing Ratio

**Output resistance:** Approx. 1.1 k $\Omega$  with 1/1000 ratio;

Output Resistance [k $\Omega$ ]  $\approx$  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 lb)

#### PERFORMANCE in percentage of dividing ratio

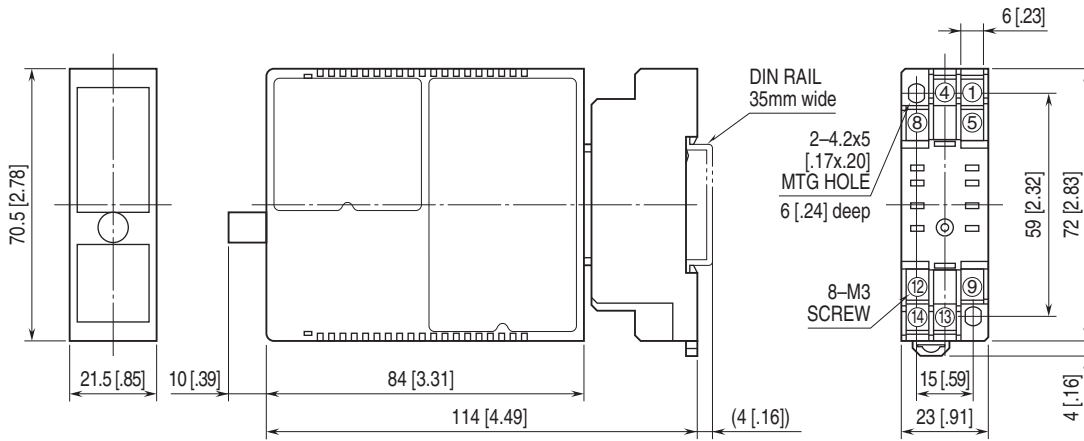
**Accuracy:**  $\pm 0.2$  %

**Temp. coefficient:**  $\pm 0.005$  %/°C ( $\pm 0.003$  %/°F)

**Insulation resistance:**  $\geq 100$  M $\Omega$  with 500 V DC

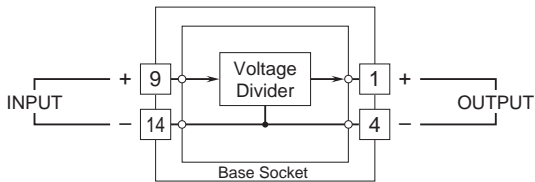
**Dielectric strength:** 2000 V AC @1 minute (input or output to ground)

## EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm [inch]



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

## SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.