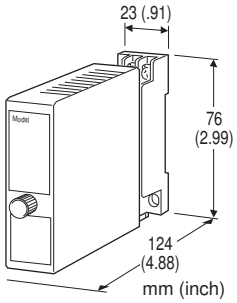
Super-mini Signal Conditioners Mini-M Series

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 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 M-System's 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)

Screw terminal: Chromated steel (standard) or stainless steel

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 MΩ

Output voltage: Input Voltage × Dividing Ratio

Output resistance: Approx. 1.1 kΩ with 1/1000 ratio;
Output Resistance [kΩ] ≈ Dividing Ratio × 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

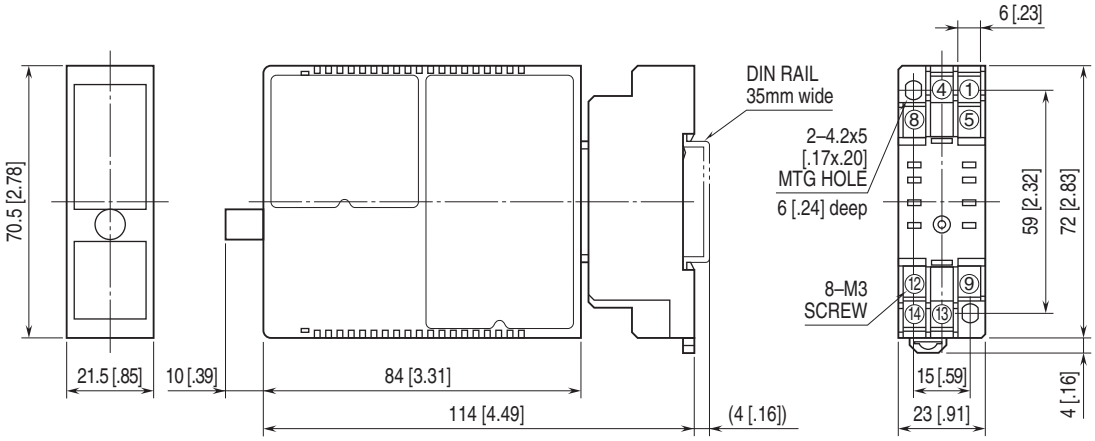
Accuracy: ±0.2 %

Temp. coefficient: ±0.005 %/°C (±0.003 %/°F)

Insulation resistance: ≥ 100 MΩ with 500 V DC

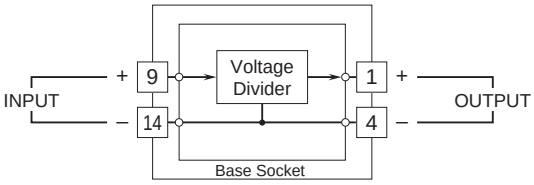
Dielectric strength: 2000 V AC @1 minute (input or output to ground)

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.

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https://www.m-system.co.jp/