

Super-mini Signal Conditioners Mini-M Series

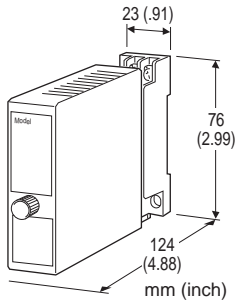
steel

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



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 lb)

MODEL: M2VV-[1][2]

ORDERING INFORMATION

- Code number: M2VV-[1][2]

Specify a code from below for each [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

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

PERFORMANCE in percentage of dividing ratio

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)



