



## Standard Performance

Accuracy rating:  $\pm 0.5\%$  of span; accuracy is not guaranteed for output levels less than 0.5% of the span of a 0 to X mA output range type.

Response speed: 250ms for a 63% response (10 to 90% change of range)

Effects of power line regulation: Up to  $\pm 0.1\%$  of span for the regulation within allowable range of each supply voltage range.

Effects of ambient temperature variations: Up to  $\pm 0.2\%$  of Span per 10

## Conformance to EMC Standards

Applicable EMC standard: EN61326

CE-certified models mean those which are CE certified on condition that they be operated over a supply voltage range of 15~30 V DC ( $\pm 20\%$ ) only.

## Power Supply and Isolation

Supply rated voltage range: 100-240 V AC/DC 50/60Hz or 15-30 V DC

Supply input voltage range: 100-240 V AC/DC (-15, +10%) 50/60Hz or 15-30 V DC ( $\pm 20\%$ )

Power consumption: 2.2W at 24V DC; 2.1W at 110 V DC; 4.2 VA at 100V AC; 6.1VA at 200 V AC

Insulation resistance: 100 M minimum at 500V DC between input, output-1, power supply and grounding terminals mutually

Withstanding voltage: 2000 V AC for one minute between input, (output-1), power supply and grounding terminals mutually; 1000 V AC for one minute between output-1

## Environmental Conditions

Operating temperature range: 0 to 50

Operating humidity range: 5 to 90% RH (no condensation)

Operating conditions: Avoid installation in such environments as corrosive gas like sulfide hydrogen, dust, sea breeze and direct sunlight.

Installation altitude: 2000 m or less above sea level.

## Mounting and Appearance

Material: ABS resin (casing)

Mounting method: Wall or DIN rail mounting

Connection method: M3 screw terminals

External dimensions: 76(H) $\times$ 29.5(W) $\times$ 124.5(D) mm (including a socket)

Weight: Approx. 122g (main unit), approx. 51g (socket)

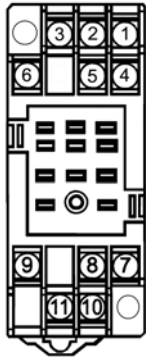
## Customized Signal Specifications

Table 1. Manufacturable Ranges

|                   | Current Signal | Voltage Signal  |
|-------------------|----------------|-----------------|
| Input range (AC)  | —              | 0 to 300 V      |
| Span (AC)         | —              | 30 to 300 V     |
| Zero elevation    | —              | 0 % only        |
| Output range (DC) | 0 to 24 mA     | -10 to +10 V    |
| Span (DC)         | 1 to 24 mA     | 10mV to 20V     |
| Zero elevation    | 0 to 200 %     | -100% to +200 % |



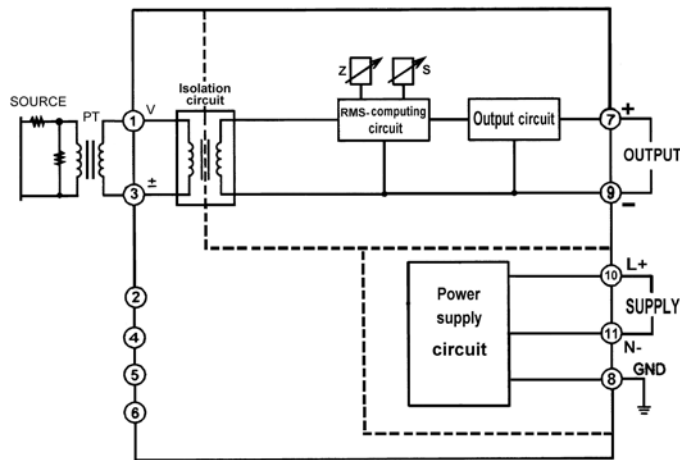
## Terminal Assignments



|    |           |      |
|----|-----------|------|
| 1  | INPUT     | (V)  |
| 2  | N.C.      |      |
| 3  | INPUT     | (±)  |
| 4  | N.C.      |      |
| 5  | N.C.      |      |
| 6  | N.C.      |      |
| 7  | OUTPUT- 1 | (+)  |
| 8  | GND       |      |
| 9  | OUTPUT- 1 | (-)  |
| 10 | SUPPLY    | (L+) |
| 11 | SUPPLY    | (N-) |

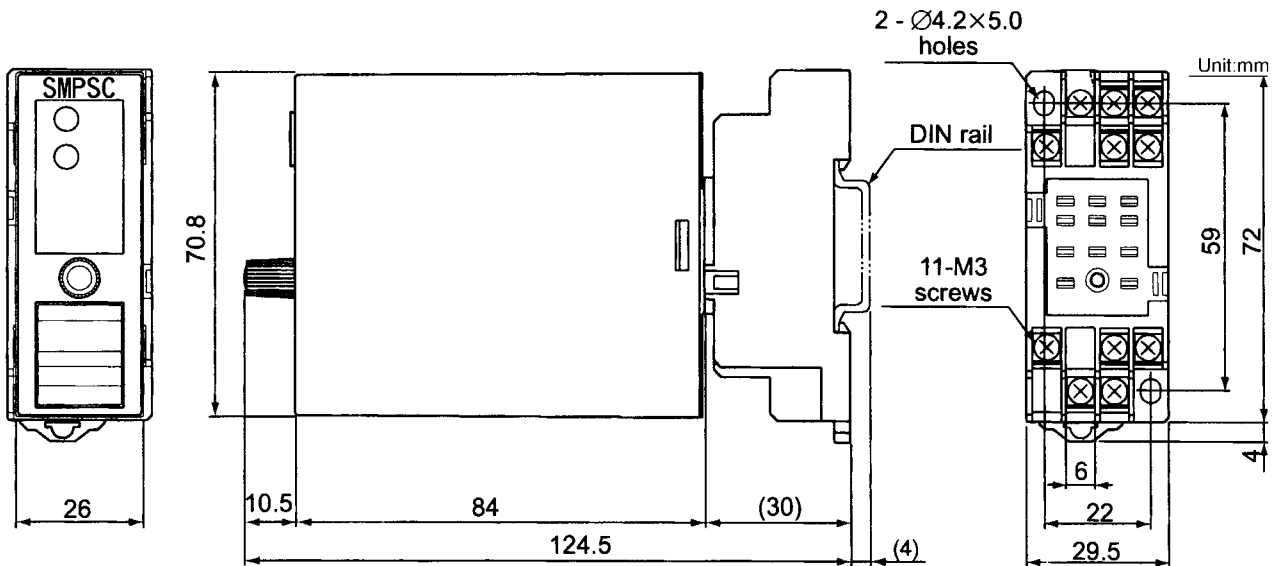
Note: For single-output type, OUTPUT2 is N.C.

## Block Diagram



Note: Digital computing circuit is added for the input/output suffix codes other than "A" and "6"

## External Dimensions



The information covered in this document is subject change without notice for reasons of improvements in quality and/or performance.

