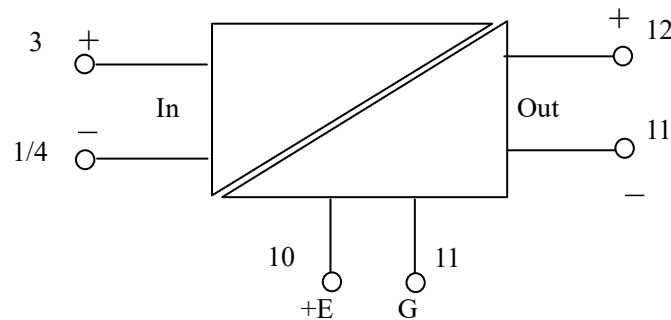


## Product Description and Application

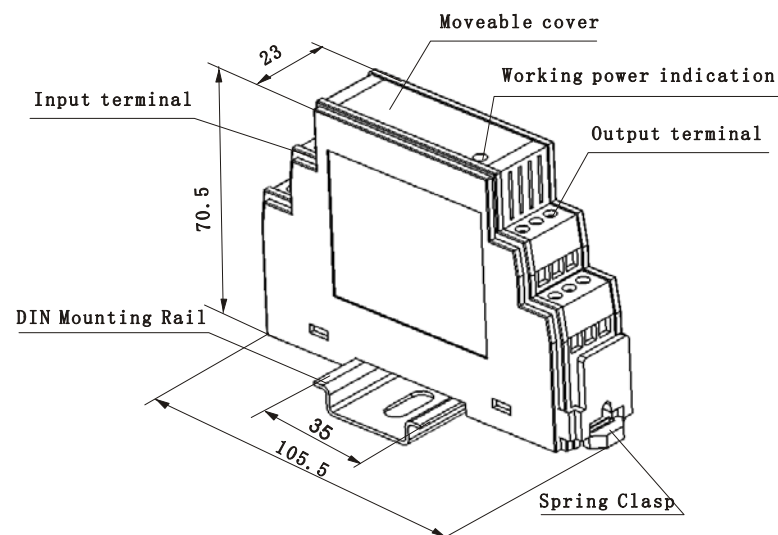
WBV342U01 converts pure DC input voltage into a load independent output signal DC voltage 0-5V or 0~10V. It has adopted modulation-demodulation isolation principle and average measurement method for real time measurement of DC voltage from power grid and circuit.

The product has certain advantages of total galvanic isolation between input/output, high accuracy, low drifting by temperature, and wide temperature bearable range, etc.

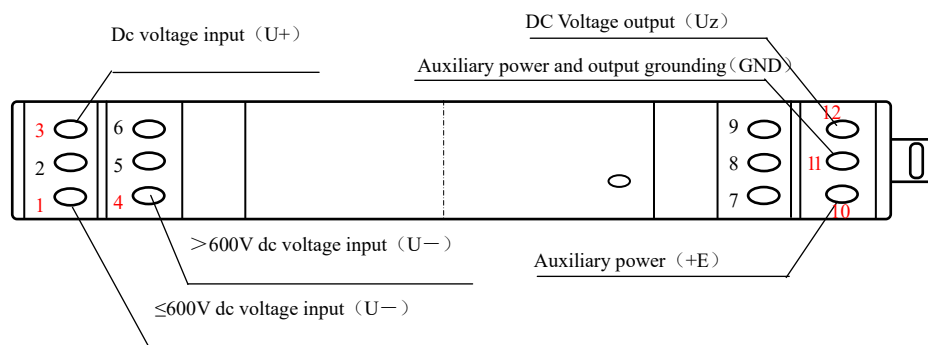
## Function realization schematic drawing



## Product Dimensional Drawing (unit: mm)



## Product Terminal Identification Drawing



Non identified terminals cannot be used

## Key Technical Data:

- |                              |                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------|
| 1. Input:                    | DC 10mV~1000V                                                                                |
| 2. Output:                   | DC 0~5V; 0~10V                                                                               |
| 3. Accuracy class:           | 0.2%                                                                                         |
| 4. Input Impedance (R):      | When $U_x > 1V$ , $R_i = U_x \times 10k \Omega / V$ ; When $U_x \leq 1V$ , $R_i > 1M \Omega$ |
| 5. Linear Range:             | 0-120% of nominal input                                                                      |
| 6. Responding Time:          | 150ms                                                                                        |
| 1. Overload Capacity:        | 2 times of nominal input, hold for 1s, interval of 10s, repeat 10 times                      |
| 7. Load Capacity:            | 10mA                                                                                         |
| 8. Auxiliary Power:          | DC +12V, +24V                                                                                |
| 9. Static Current:           | $\leq 12mA$                                                                                  |
| 10. Isolation Voltage:       | DC 2.5kV, 1mA, 1minute                                                                       |
| 11. Drifting by Temperature: | $200 \times 10^{-6} / ^\circ C$                                                              |
| 12. Ambient Temperature:     | $-25^\circ C \sim +70^\circ C$                                                               |
| 13. Mounting:                | DIN Rail 35mm Mounting                                                                       |