ACTDS Series DC Voltage Sensor

1. Product introduction

The ACTDS series DC voltage sensor is a measuring module that uses the principle of photoelectric isolation to convert the measured DC voltage into a DC current or DC voltage signal output proportional to the primary voltage. The primary and secondary sides are highly insulated. , It has the characteristics of high accuracy, high linearity, high integration, small size, simple structure, stable long-term work and adapting to various working environments. It is widely used in the system control and detection of electrical equipment in the electric power, petroleum, coal, chemical, railway, communication, building automation and other industries.

★ Used to measure DC voltage

★ Fast response speed

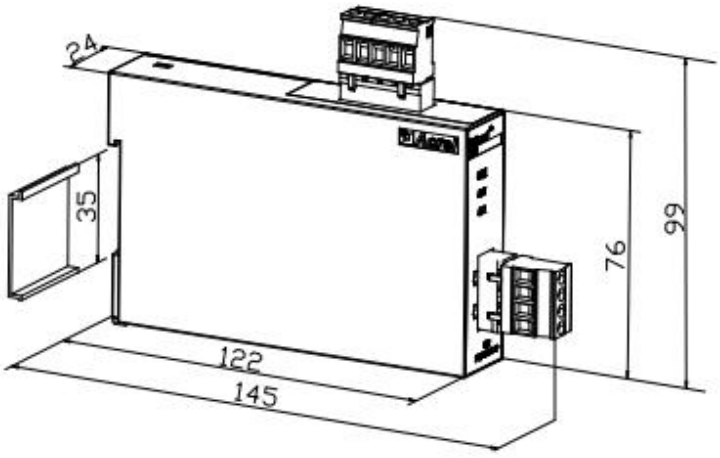
★ Strong overload capacity

★ High accuracy

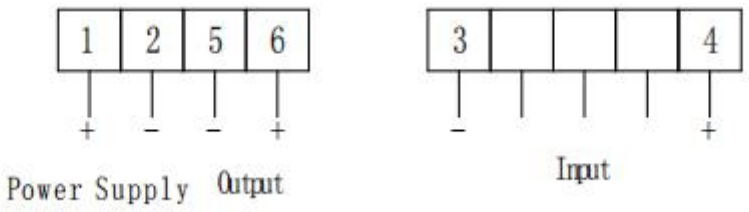
★ 35mm DIN rail installation

★ 3.5kV high insulation of primary and secondary side

2. Shape & Dimension (Unit: mm)



3.Wiring



4.Technical Parameter

Vpn	Rated Voltage(Vdc)	DC 100V
VP	Measurement voltage range(Vdc)	120% * Vpn
Vov	Overload capacity(Vdc)	150% * Vpn
Vsn	Voltage Input(V)	DC 0-4V
X	Accuracy（Ta =+25℃）	0.5%
EL	Linearity error	0.2%
Vc	Power Supply	DC12V
Tr	Response time	≤ 30mS
f	Frequency Range	DC
Vd	Power frequency withstand voltage(50HZ,1min)	Withstand voltage between signal input and auxiliary power supply and transmission output 3.5kV
Ri	Insulation resistance	＞20MΩ@DC500V
Ta	Operating temperature	-40~+70 ℃
Hw	Working humidity	20-90% no condensation