DATA SHEET
Hall Effect Voltage Transducer

A-CVSM500D Series AC/DC Hall Voltage Sensor

The voltage sensor using hall effect is used to measure AC voltage and convert into DC signal output under the condition of electrical isolation.

SPECIFICATION

P/N	Rated input voltage I_{PN}(V)	Measuring range (V)
A-CVSM250D	250（AC）	0～400（AC）
A-CVSM380D	380（AC）	0～600（AC）
A-CVSM500D	500（AC）	10～750（AC）

I_{SN}	Rated output （DC）TA=25℃	20	mA
KN	Tturns ratio	3000:1200	
RM	Measuring resistance（Vc=±15）	54～360	Ω
	Typical value	250(0.1%≥1/4W)	Ω
Vc	Supply voltage（DC）（±5%）	+24	V
Ic	Current consumption	18+Is	mA
Vd	Insulation voltage/50Hz/1 minute	>2.5	KV
ε_L	Linearity	≤±0.2	%of IPN
X	Accuracy	≤±0.8	%
I_{0E}	Offset current	≤±0.15	mA
I_{OT}	Temperature variation of I_{0E} IP=0TA=–10～+70℃	±0.005	mA/℃
Tr	Response time	≤20	ms
f	Bandwidth	45Hz～1kHz	
T_A	Ambient Operating temperature	–10～+80	℃
T_S	Ambient Storage temperature	–20～+85	℃

Application

Overvoltage protection

Robot

Variable speed drive system

Feedback of control system

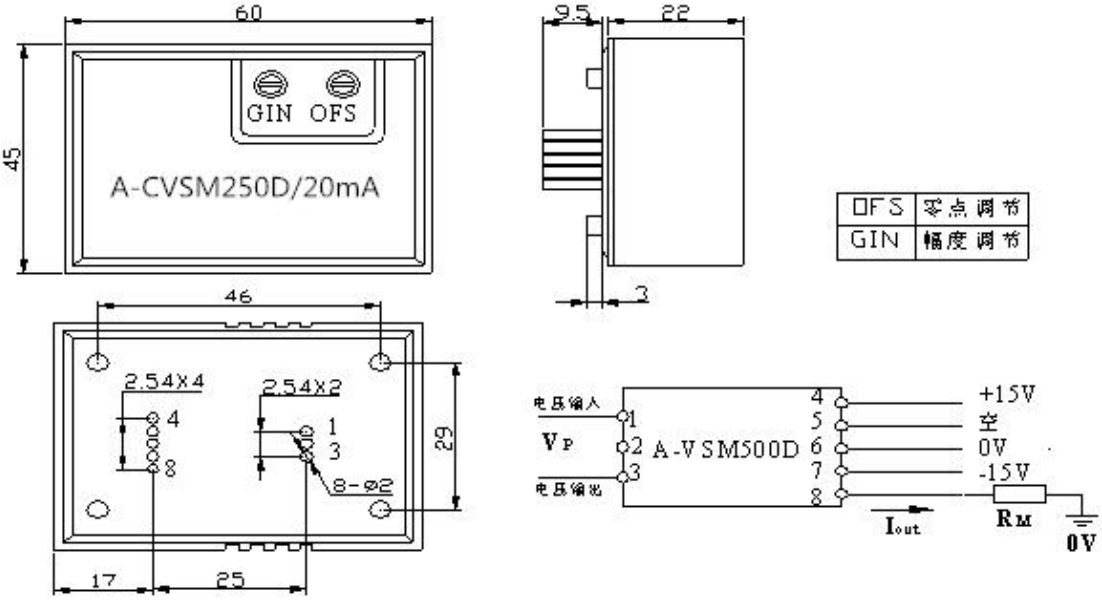
Power supply

Electric power system

Usage

1. The sensor output is calibrated in the case of the rated input current frequency 50HZ.
2. The sensor is wiring according to the structure diagram
3. The sensors can be customized different rated input voltage and output current.

DIMENSION（mm）



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