



Current transducer RCS18A-200/SP1

Open loop Hall effect current transducer RCS18A-200/SP1 is for the measurement of currents: DC, AC, pulsed and irregular wave currents with galvanic isolation between the primary circuit and the secondary circuit.



Performance parameter

Electric parameters		
I _{pn}	Nominal RMS current	200A
I _p	Measuring range	400A
V _{sn}	Output voltage @ I _{pn}	4V
R _m	Load resistance R _{max}	≥10kΩ
V _c	Supply voltage	±12~±15V
I _c	Current consumption	≤20mA
V _d	Withstand voltage	6kV _{rms} /50Hz/min
Dynamic parameters		
X	Accuracy @ Ta=25℃	±1% FS
ε _L	Linearity @ Ta=25℃	±0.5% FS
V _o	Offset voltage @ Ta=25℃	±20mV
V _{OM}	Magnetic offset voltage I _{pn} →0	±40mV
V _{OT}	Thermal drift	≤±1mV/℃
Tr	Response time	≤5us
BW	Bandwidth (-0.5dB)	DC~100kHz
di/dt	Following accuracy	
General parameters		
Ta	Operating temperature	-40~+85 ℃
Ts	Storage temperature	-40~+90 ℃
W	Weight	
Standards		EN50178:1998, CE, RoHS, ISO9001



NINGBO HUAYU ELECTRONICS CO., LTD.

Features

- Open loop
- According to UL 94-V0 requirements
- CE and RoHS verified
- Split core

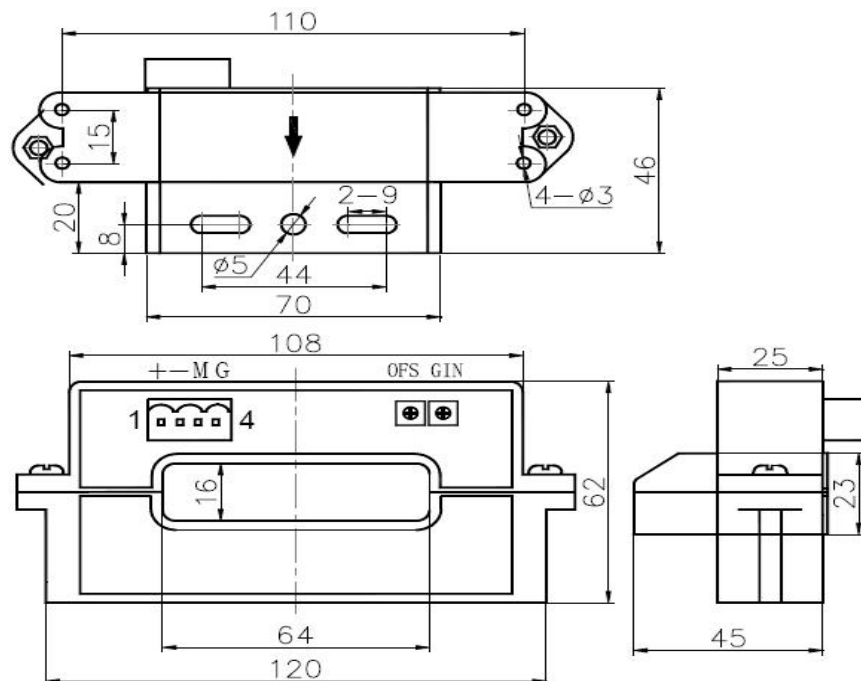
Advantages

- Excellent accuracy, very good linearity
- Low thermal drift
- Wide bandwidth
- Fast response
- High immunity to external interference
- Good overload capability
- Low inductance

Applications

- Electric car
- Converter
- Electric locomotive
- Grid monitoring
- Industry

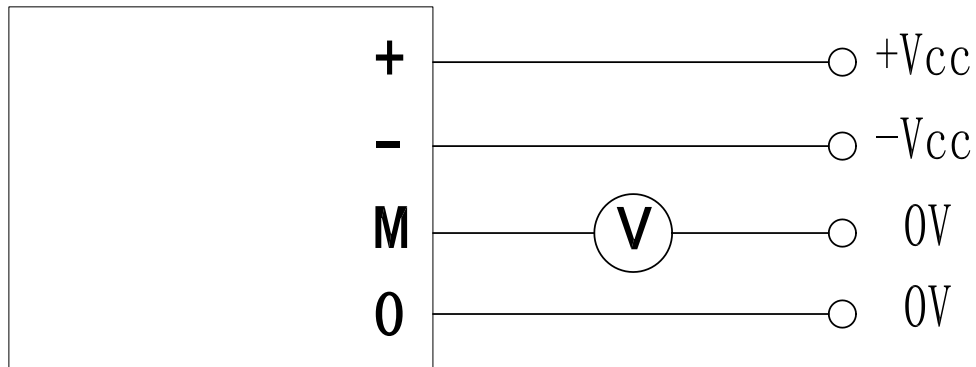
Dimension



Ningbo Huayu reserves the right to carry out modifications on its transducers, in order to improve them, without prior notice



Connection



Notices

- Please connect according to the dimension drawing in which defining the current flowing direction and the function of the PIN.
- The temperature of the primary busbar can't be over 100℃
- We can also develop and manufacture transducers depending on customers' requirements. Welcome to communicate with us when you are in this kind of demand.