

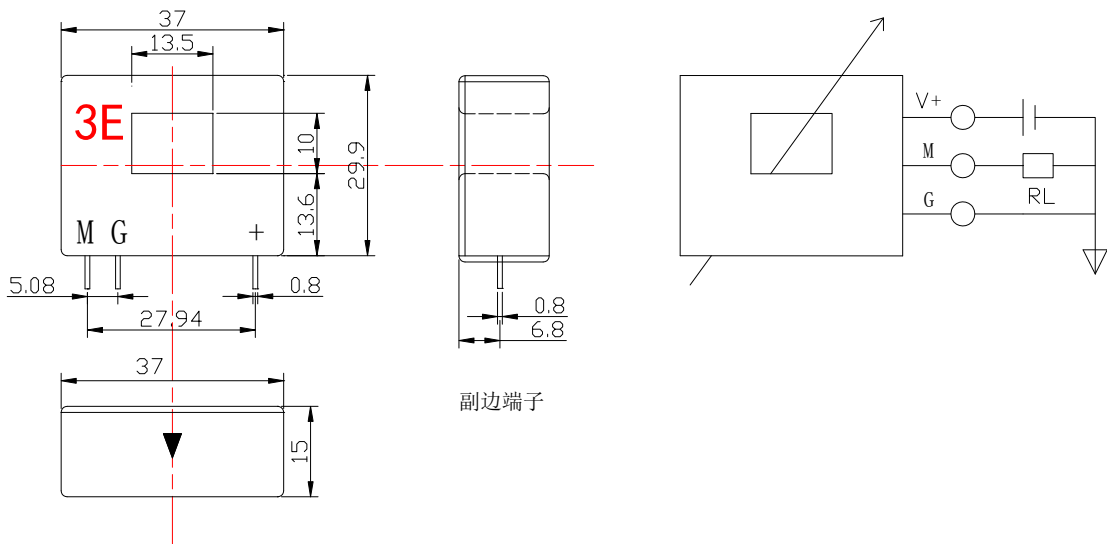
3E Hall Effect current transducer

SC6FD serial

(closed loop)

model	SC6FD-50A	SC6FD-100A
Spec. (@25°C)		
Nominal current (Ln)	± 50A	± 100A
Measuring current range (Peak)	100A	200A
Load resistor (@Ln)	50~100 Ω	20~80 Ω
Analog output	50mA	100mA
Coil turns ratio	1:1000	
Coil resistor (@70°C)	30 Ω	
Power supply	12V~15V DC (±5%)	
Accuracy	±0.5%	
Linearity	±0.1%	
Zero offset output	< ±0.2mA	
Temperature drift (-40°C~85°C)	< ±0.2mA(typical), < ±0.5mA(Maximum)	
di / dt accurately followed	>100A / μs	
Band width	DC~100 kHz	
Response time	<1 μs	
Hysteresis error	< 0.5mA (If=FS→0)	
Isolation voltage	3kV rms / 50 Hz / 1minutes	
Current consumption	10mA+output current	
Operating temperature range	-40~+85°C	
Storage temperature range	-40~+90°C	

dimension: (mm)



+端: 电源电压+12V... 15V

G端: 电源电压地

M端: 测量