

SZ9H Series

model	SZ9H -600A	SZ9H -1200A	SZ9H -1800A	SZ9H -2400A	SZ9H -3000A
Spec. @ .25°C					
Nominal current (In, rms)	± 600A	± 1200A	± 1800A	± 2400A	± 3000A
Meas. current range	1200A	2400A	2700A	3600A	4500A
Load resistor (@In)	≥ 10KΩ @In				
Nominal analog output	± 4V				
Supply voltage	± 12V ~ ± 15V DC ( ± 5% )				
Accuracy	± 1%				
Linearity	± 1%				
Isolation voltage	5kV rms / 50Hz / 1Min.				
Zero offset output	± 15mV				
Temperature drift of offset	≤ ± 0.5mV / °C ( If=0 )				
Hysteresis error(If=FS→0)	± 30mV ( If=FS→0 )				
Response time	< 7 μ S				
Operating temperature range	-40 ~ +85°C				
Storage temperature range	-55 ~ +125°C				

DESCRIPTION:

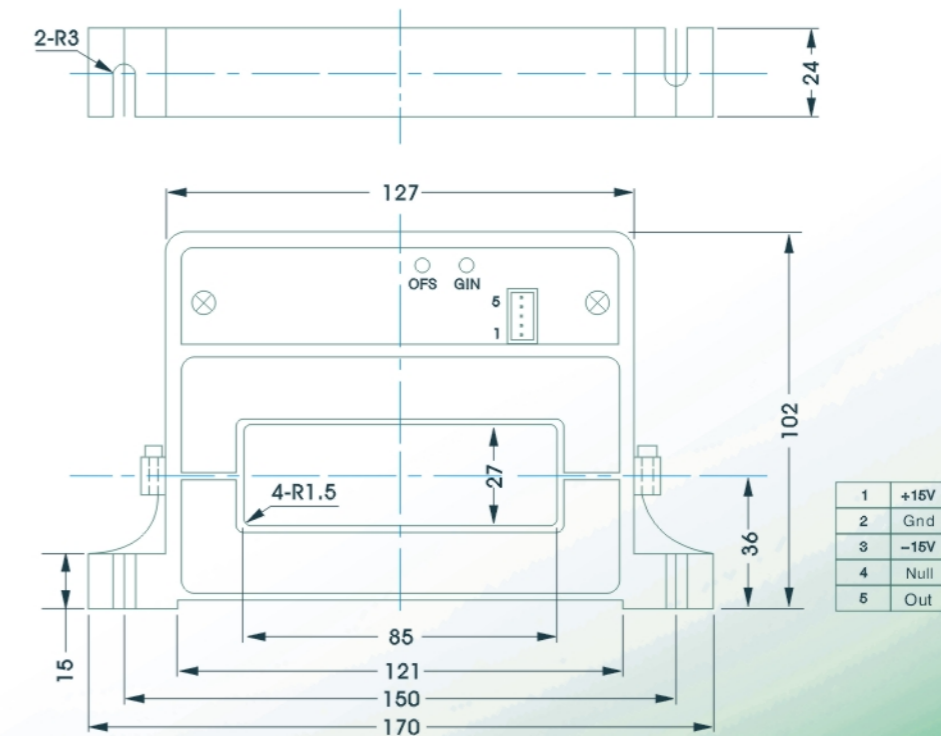
SZ9H series of open loop hall effect current sensors sense current from 600A to 3000A, are based on the principle of the hall effect, current flowing through a primary conductor generates a rotating magnetic field around the conductor, the field is collector and concentrated in the gap of the core made by magnetically sensitive material, hall effect device inside sensors is located in the gap, therefore produces an output linear proportional to the amplitude and phase of the primary current. Holes which sensed conductors pass through are rectangle and could be dismountable.

FEATURES:

- Measures DC, AC , impulse currents and a variety of irregular waveforms
- Thru hole of rectangle design , large square of the hole ( 27mm\*85mm )
- Dismountable sensed hole
- Competitive cost /performance ratio
- Electric isolation between primary and secondary circuits
- Flexible connection style

Typical Applications:

- Variable speed drives
- Inverter power supplies
- UPS and telecommunication power supplies
- Current feedback control system
- Ground fault detectors
- Automatic measurement
- Wattmeters
- Frequency converters
- Welding power supplies



Dimension ( mm )