



DATA SHEET

Hall Effect Current Sensor

PN: CHK_LTASA5S4

IPN=10-200A

Feature

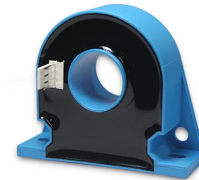
- Open- loop current transducer using the hall effect
- It is A new type of current transducer based on the principle of electromagnetic induction is developed. It is highly insulated between primary and secondary stages.
- Used for measuring DC current.
- Supply voltage: $+5.0V \pm 5\%$

Advantages

- Easy installation
- No insertion losses
- Low power consumption
- Wide current measuring range
- High immunity to external interference
- Can be customized

Applications

- The application of variable frequency electrical appliances
- AC/DC variable-speed drive
- Uninterruptible Power Supplies (UPS)
- Switched Mode Power Supplies (SMPS)
- Inverter applications



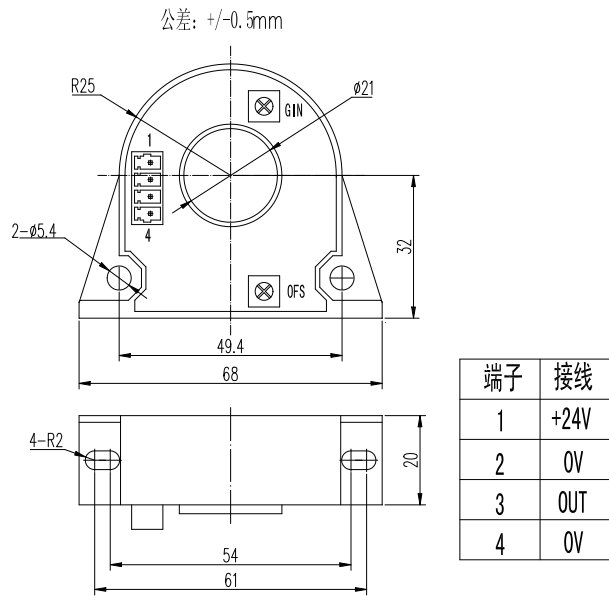
RoHS

Electrical data: (Ta=25°C, Vc=+24.0VDC)

Parmeter \ Ref	CHK10LT ASA5S4	CHK25L TASA5S4	CHK50LT ASA5S4	CHK75LT ASA5S4	CHK100L TASA5S4	CHK200L TASA5S4
Rated input Ipn(A)	10	25	50	75	100	200
Measuring range Ip(A)	12.5	30	60	90	120	240
Output current Io(mA)	4~20±1%					
Output current Io(mA)	4~20±0.5%					
Supply voltage VC(V)	+5.0V ±5%					
Offset current(mA)	4					
Offset current drift(mA/°C)	≤±0.05					
Linearity error er(%FS)	≤0.5					
Response time tra(ms)	≤20					
Insulation voltage Vd(KV)	@50/60Hz, 1min,AC			2.5		
Operating temperature TA(°C)	-20 ~ +85					
Storage temperature TS(°C)	-40~ +105					



Dimensions(mm):



Remarks:

- When the current to be measured passes through the transmitter, the current can be measured at the output end. (note: incorrect wiring may lead to transmitter damage)
- The output amplitude of the transmitter can be adjusted appropriately according to the user's needs.
- Transmitters with different rated input and output currents can be customized according to user requirements.

WARNING : Incorrect wiring may cause damage to the sensor.

