

## NACL.300B3-S5 Current Transducer

### Applications:

For the electronic measurement of currents: AC, DC IMPL.,etc.,with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.



### Main technical data:

1. Normal current  $I_{PN}$ : 300A rms
2. Primary current, measuring range  $I_p$ : 0~+/-500A
3. Conversion ratio: 1:2000
4. Measuring resistance:

|                | 70°C       | 85°C       |
|----------------|------------|------------|
|                | $R_{Mmin}$ | $R_{Mmax}$ |
| @ ±15V, ±300A: | 4.5Ω       | 48Ω        |
| @ ±15V, ±500A: | 6.5Ω       | 17Ω        |
5. Secondary normal current: 150mA rms
6. Supply voltage (+/-5%): ±15V
7. Current consumption: 25mA+ Secondary output current
8. Isolation test: Between the primary circuit to the secondary circuit: 3 kVrms/50Hz/1min

### Accuracy – Dynamic performance data:

1. Accuracy (@  $I_{PN}$ ,  $T_A=+25^{\circ}C$ ):  $\leq \pm 0.5\%$
2. Non-linearity: better than 0.1% (@+25°C)
3. Offset current:  $\leq \pm 0.2mA$  (@+25°C)
4. Thermal drift:  $\leq \pm 0.7mA$  (-40°C~+85°C)
5. Response time to 90% of  $I_{PN}$  step:  $\leq 1\mu s$

### General data:

1. Ambient Operating temperature: -40 °C~+85 °C
2. Ambient Storage temperature: -45 °C ~+90 °C
3. Weight: 110g

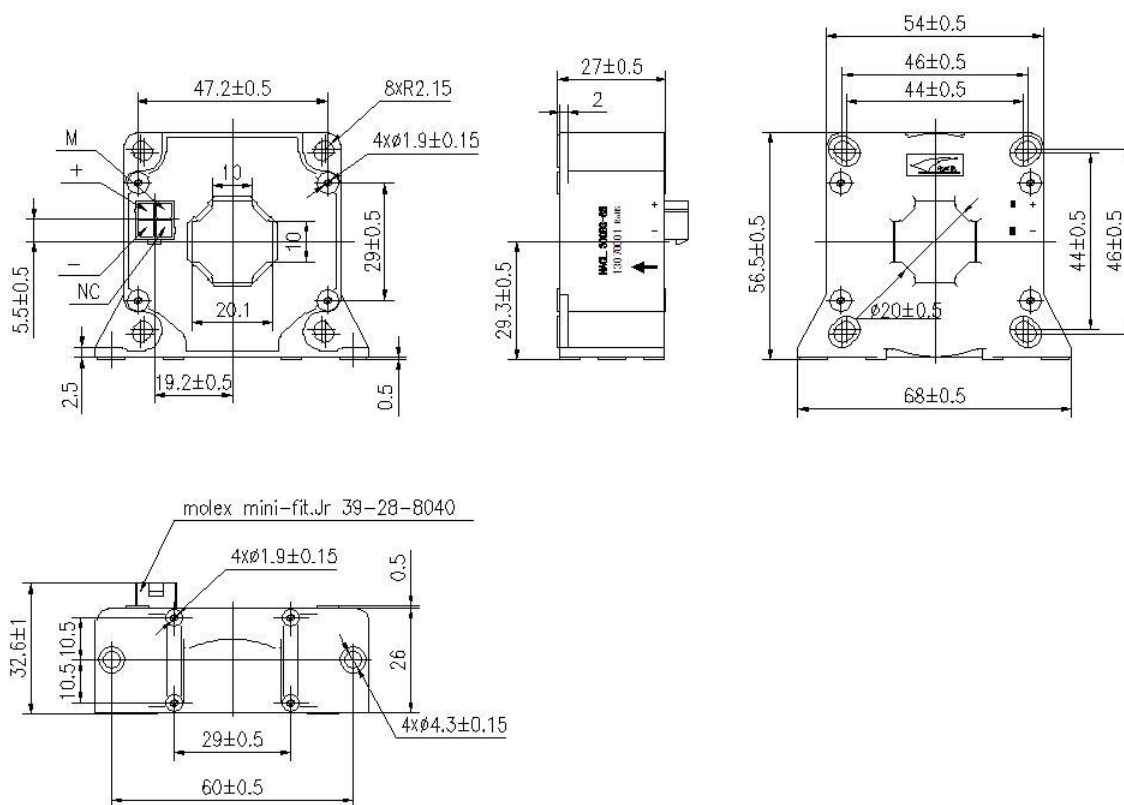
4. Standards: EN 50178

EN 50155

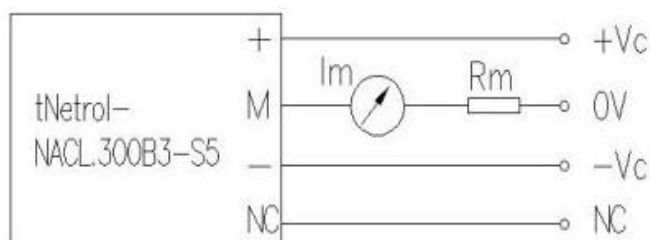
### Features:

1. Hall effect measuring principle
2. Galvanic isolation between primary and secondary circuit
3. Insulated plastic case made of white PPO recognized according to UL 94-V0
4. The whole current transducer comply with RoHS Directive completely

### Dimension:



### Connection:



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