

NACL.1000Q-S1/N 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} : 1000A rms
2. Primary current, measuring range I_p : 0~+/-2400A
3. Conversion ratio: 1:5000
4. Measuring resistance:

| | R_{Mmin} | R_{Mmax} |
|-----------------------------------|------------|-------------|
| with $\pm 15V$ @ $\pm 1000A$ max: | 0 Ω | 15 Ω |
| @ $\pm 1200A$ max: | 0 Ω | 7 Ω |
| with $\pm 24V$ @ $\pm 1000A$ max: | 0 Ω | 50 Ω |
| @ $\pm 2000A$ max: | 0 Ω | 7 Ω |
5. Secondary normal current: 200mA rms
6. Supply voltage (+/-5%): $\pm 15V \sim \pm 24V$
7. Current consumption: 30mA+ Secondary output current
8. Isolation test: Between the primary circuit to the secondary circuit: 13.4kVrms/50Hz/1min

**Accuracy – Dynamic performance data:**

1. Accuracy (@ I_{PN} , $T_A = +25^\circ C$): $\leq \pm 0.4\%$
(@ I_{PN} , $T_A = -40^\circ C \sim +85^\circ C$): $\leq \pm 1\%$
2. Non-linearity: better than 0.1% (@ $+25^\circ C$)
3. Offset current: $\leq \pm 0.5mA$ (@ $+25^\circ C$)
4. Thermal drift: $\pm 1.0mA$ (@ $-40^\circ C \sim +85^\circ C$)
5. Response time to 90% of I_{PN} step: $\leq 1\mu s$
6. Frequency bandwidth (-1dB): DC...100kHz

General data:

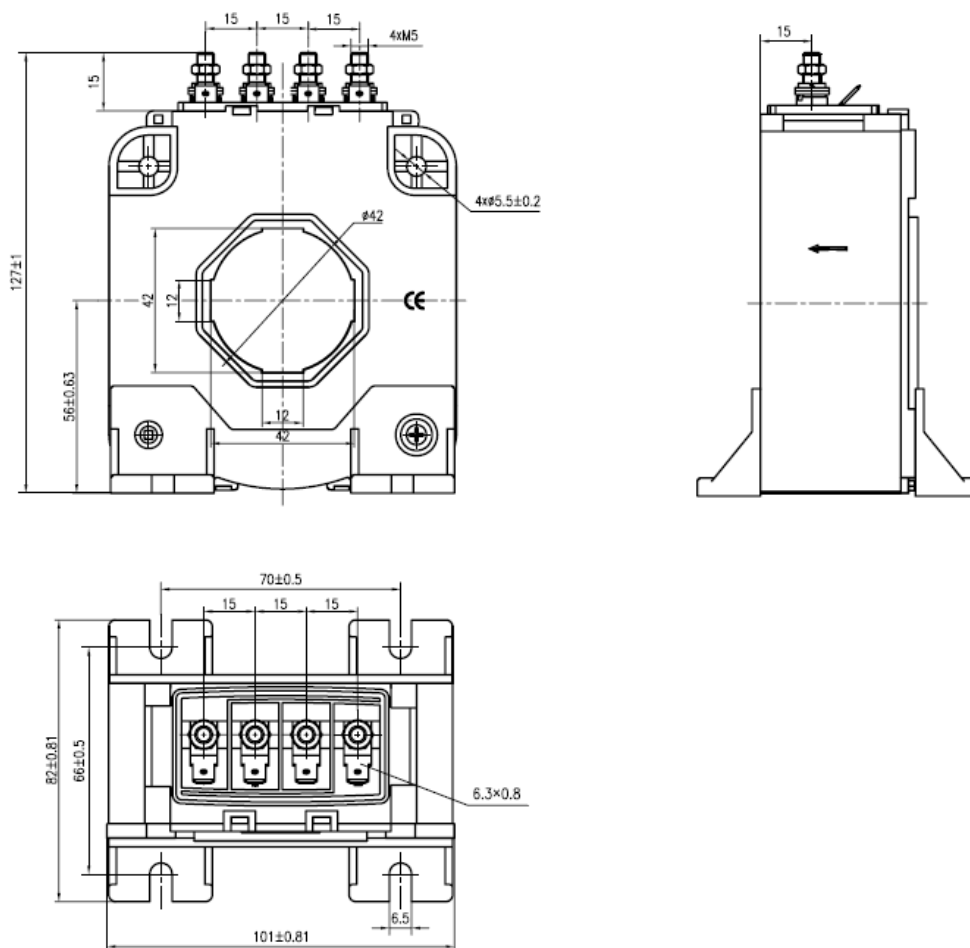
1. Ambient Operating temperature: $-40^\circ C \sim +85^\circ C$

2. Ambient Storage temperature: $-45\text{ }^{\circ}\text{C} \sim +90\text{ }^{\circ}\text{C}$
3. Secondary coil resistance: $\leq 44\Omega$ ($@+85^{\circ}\text{C}$)
4. Weight: 900g
5. Standards: EN50155

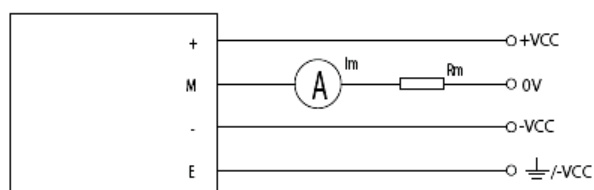
Features:

1. Hall effect measuring principle
2. Galvanic isolation between primary and secondary circuit
3. Insulated plastic case made of black PC recognized according to UL 94-V0

Dimension:



Connection:



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