NACL.2000B1-S1/SP1 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. Primary nominal current I_{PN}: 2000A rms
2. Primary current, measuring range I_P: 0~±3500A(@±24V)
3. Measuring range: (@+85℃)：

		$R_M$min	$R_M$max
with ±15V	@±2000A max:	0Ω	5.5Ω
	@±2200A max:	0Ω	2.5Ω
with ±24V	@±2000A max:	5Ω	26.5Ω
	@±3000A max:	5Ω	8.5Ω
	@±3500A max:	5Ω	5Ω

4. Secondary nominal output: 400mA rms
5. Conversion ratio: 1: 5000
6. Supply voltage (±5%)：±15V~±24V
7. Current consumption:≤37mA (@±24V)+ Secondary output current
8. Isolation test: Between the primary circuit and the secondary circuit: 12kV/50Hz/1min
   Between +、-、M of the secondary circuit and shielded E: 1kV/50Hz/1min

Accuracy – Dynamic performance data:

1. Accuracy @ I_{PN}，T_A=+25℃：±0.5%
2. Non-linearity: 0.1%
3. Offset current: ≤±0.4mA (@+25℃)
4. Thermal drift: ≤0.02mA/℃ (-40℃~+85℃)
5. Response time @90% of $I_{P\,max}$：≤1us
6. di/dt accurately followed: > 100A/us
7. Frequency bandwidth (-1dB) ：DC..100kHz

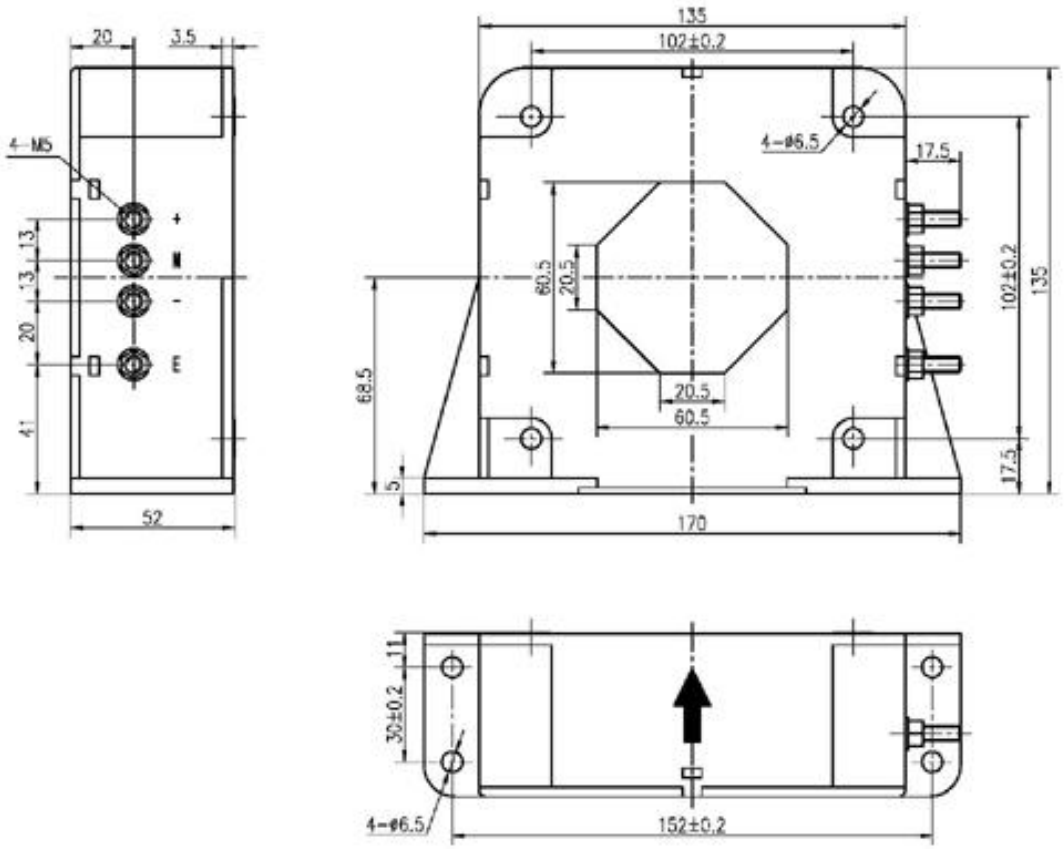
General data:

1. Operating temperature:-40ºC~+85ºC
2. Storage temperature: -40ºC~+85ºC
3. Secondary coil resistance:≤28Ω(@+85℃)
4. Weight: 1.6kg
5. Standards: TB/T 3021-2001

Features:

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

Dimension:



Connection: