NACL.300C-S5/N Current Transducer

Applications:

For the electronic measurement of currents: DC, AC, pulsed, mixed, with a galvanic isolation between the primary circuit (high power) and the secondary circuit (electronic circuit).

Main technical data:

1. Primary normal current I_{PN}(r.m.s) : 300A
2. Primary current measuring range I_p (r.m.s) : 0～±700A
3. Supply voltage: ±15VDC (1±5%)V
4. Conversion ratio：1:2000
5. Current consumption: ≤25mA＋Is
6. Isolation test: Between the primary circuit to the secondary circuit(+.-.M): 5.5kV/50Hz/1min
7. Normal output current: 150mA rms
8. Measuring resistance:0～5Ω

Accuracy – Dynamic performance Data

1. Accuracy @ I_{PN}, T_A=+25 °C: ≤±0.9%
2. Non-linearity (@ I_{PN}, T_A=+25 °C) : ＜0. 1%
3. Electrical offset current I_O, T_A=+25 °C : ≤±0.3mA
4. Thermal drift of I_O: ≤±0.5mA(-40℃～+85℃)
5. Response time (@ 90% of I_p): ≤1us
6. di/dt accurately followed: ≥50A/us
7. Frequency bandwidth(-3dB):DC..50KHz

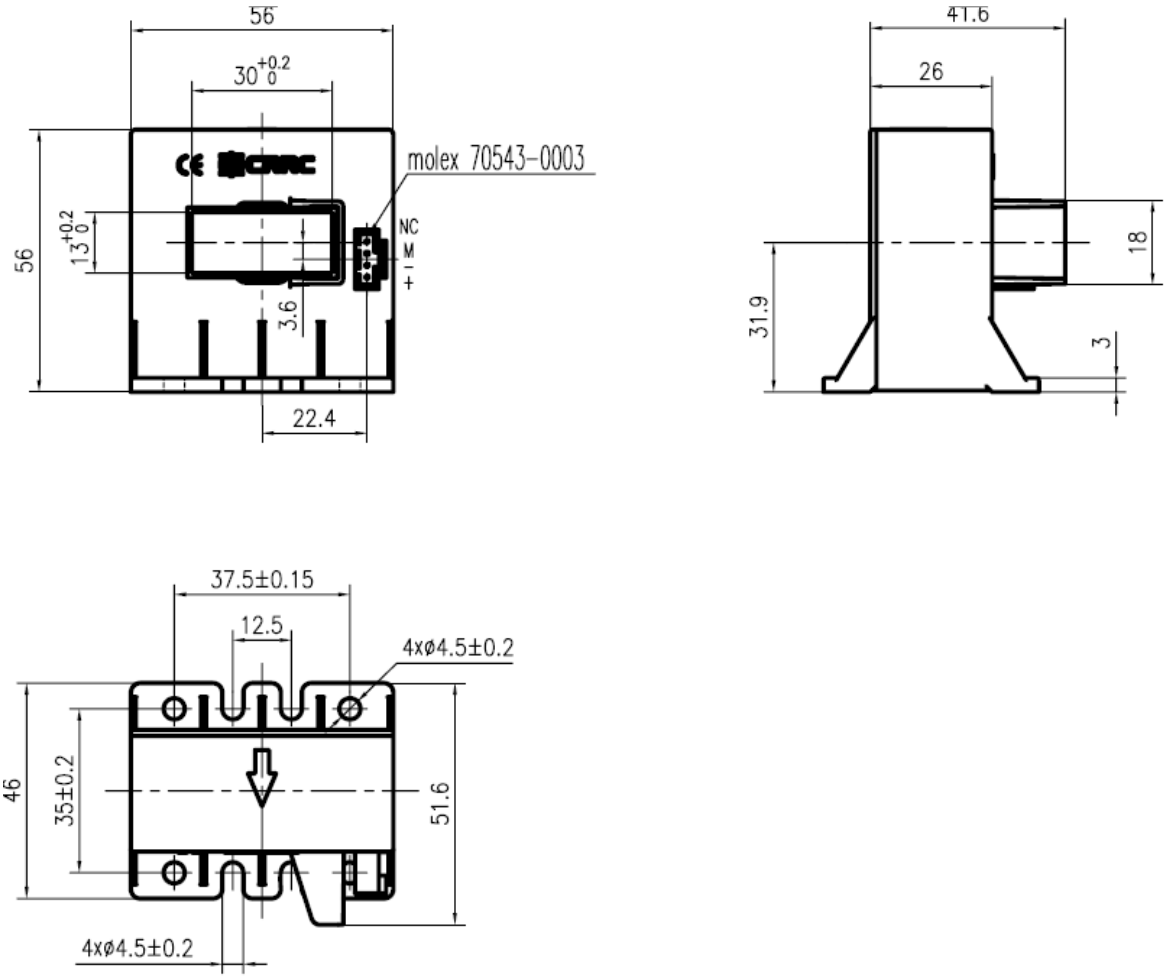
General data:

1. Operating temperature: -40 °C ~+85 °C
2. Storage temperature: -45 °C ~+90 °C
3. Secondary coil resistance @T=85 °C: ≤33Ω
3. Weight: ≤137g
4. 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
4. The whole current transducer comply with RoHS Directive completely

Dimension:



Connection: