

NCV4A Series Voltage Transducer

Applications:

Applicable to isolated precise measurement of AC, DC and impulse voltages.

Main technical data:

1. Primary nominal R.m.s. or DC voltage V_{PN} (V)	Primary voltage measuring range V_{Pmax} (V)	R.m.s. voltage for AC isolation test V_d (kV) (50Hz/1min)	Type
50	+/-75	3.3	NCV4A-50V
125	+/-187.5	3.3	NCV4A-125V
150	+/-225	3.3	NCV4A-150V
250	+/-375	3.3	NCV4A-250V
500	+/-750	3.3	NCV4A-500V
750	+/-1125	4.3	NCV4A-750V
1000	+/-1500	5.5	NCV4A-1000V
1250	±1875V	6	NCV4A-1250V
1500	+/-2250	6	NCV4A-1500V
2000	+/-3000	6	NCV4A-2000V

2. Loading resistance:

with $\pm 12V$	$\leq 47 \Omega$
with $\pm 24V$	$\leq 200 \Omega$

3. Secondary normal current (rms): 50mA

4. Supply voltage (+/-5%) V_c : +/-12V~+/-24V

5. Current consumption: 50mA (@ $\pm 24V$) + Secondary output current



Accuracy – Dynamic performance data:

- Accuracy @ $V_{PN}, T_A = +25^\circ C$: +/-0.7%
 $T_A = -40^\circ C \sim +85^\circ C$: +/-1.7%
- Non-linearity @ $V_{PN}, T_A = +25^\circ C$: $\leq 0.1\%$
- Offset current @ $I_p = 0, T_A = +25^\circ C$: not more than +/-0.15mA
- Response time @ 10% of V_{Pmax} : Between 10us and 13us
- Frequency bandwidth (-3dB): DC .. 13kHz

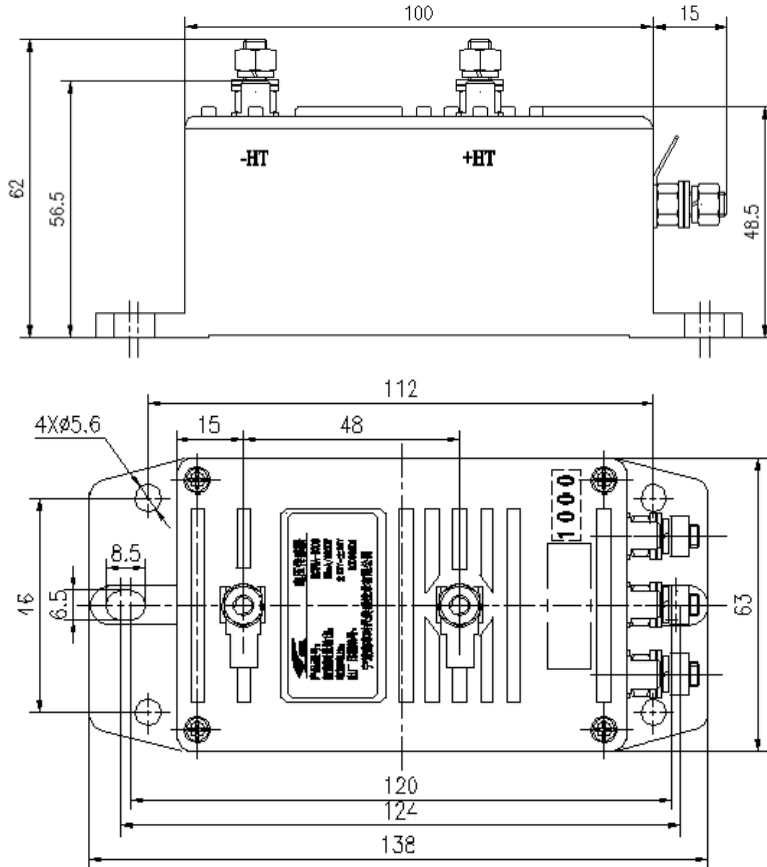
General data:

- Operating temperature: $-40^\circ C \sim +85^\circ C$
- Storage temperature: $-50^\circ C \sim +90^\circ C$
- Weight: 460g $\pm 20g$
- Standards: EN50155

Features:

1. Insulated plastic case recognized according to UL 94-V0
2. Include primary resistor

Dimension:



“1000” indicates Primary nominal R.m.s. voltage.

Connection:

