## Current Transducer HNC- 200 .. 300P

## $I_{P N}=200 . .300 \mathrm{~A}$

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).

| Electrical data |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Primary nomina DC current | Primary current measuring range | Type |  |  |
| $\mathrm{I}_{\text {PN }}(\mathrm{A})$ | $\mathrm{I}_{\mathrm{P}}(\mathrm{A})$ |  |  |  |
| 200 | $0 . . \pm 400$ | HNC - 200PHNC - 300P |  |  |
| 300 | $0 . . \pm 650$ |  |  |  |
|  | Measuing resistance | HNC - 200P | HNC - 300P |  |
| $\mathbf{R}_{\text {M }}$ |  | $20 . .60$ | $20 . .35$ | $\Omega$ |
| $\mathrm{I}_{\text {SN }}$ | Second nominal current | 100 | 100 | mA |
| $\mathbf{K}_{\text {N }}$ | Turns ratio | 1:2000 | 1:3000 |  |
| $\mathrm{V}_{\mathrm{c}}$ | Supply voltage ( $\pm 5$ \%) |  | $\pm 15$ | V |
| $\mathrm{I}_{\mathrm{C}}$ | Current consumpution |  | $15+\mathrm{I}_{\text {SN }}$ | mA |
| $\mathrm{V}_{\mathrm{d}}$ | R.m.s. voltage for AC isolation test, $50 / 60 \mathrm{~Hz}, 1 \mathrm{mn} 2.5 \mathrm{SN} \mathrm{kV}$ |  |  |  |

## Accuracy-Dynamic performance data



| General data |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\mathrm{T}_{\text {A }}$ | Ambient operating temperature |  | -10 .. + 80 | ${ }^{\circ} \mathrm{C}$ |
| Ts | Ambient storage temperature |  | -15 .. + 85 | ${ }^{\circ} \mathrm{C}$ |
|  |  | HNC - 200P | HNC - 300P |  |
| $\mathrm{R}_{\text {s }}$ | Secondary coil Resistance $@ \mathbf{T}_{\mathrm{A}}=25^{\circ} \mathrm{C}$ | $10$ | 20 | $\Omega$ |
| m | Mass |  | 160 | g |

-10 .. $+80^{\circ} \mathrm{C}$
-15 .. $+85{ }^{\circ} \mathrm{C}$
$\Omega$
g

## Advantages

- Easy mounting
- Small size and space saving
- Only one design for wide current ratings range
- High immunity to external interference


## Applications

- DC motor drives
- Switched Mode Power Supplies (SMPS)
- AC variable speed drives
- Uninterruptible Power Supplies (UPS)
- Battery supplied applications
- Inverters


## HNC- 200 .. 300P



