## Current Transducer HNC- 050 .. 100P

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 nominal | Primary current | Type |
| DC current | measuring range |  |
| $I_{P N}(A)$ | $I_{P}(A)$ | HNC - 050P |
| 50 | $0 . . \pm 75$ | HNC -100 P |
| 100 | $0 . . \pm 140$ |  |


|  |  | HNC - 050P | HNC - 100P |  |
| :--- | :--- | :--- | :--- | ---: |
| $\mathbf{R}_{M}$ | Measuing resistance | $60 \ldots 9$ | $60 . .80$ | $\Omega$ |
| $\mathbf{I}_{S N}$ | Second nominal current | 50 | 50 | mA |
| $\mathbf{K}_{\mathrm{N}}$ | Turns ratio | $1: 1000$ | $1: 2000$ |  |
| $\mathbf{V}_{\mathrm{C}}$ | Supply voltage $( \pm 5 \%)$ |  | $\pm 15$ | V |
| $\mathbf{I}_{\mathrm{C}}$ | Current consumpution |  | $15+\mathbf{I}_{\mathrm{SN}}$ | mA |
| $\mathbf{V}_{\mathrm{d}}$ | R.m.s. voltage for AC isolation test, | $50 / 60 \mathrm{~Hz}, 1 \mathrm{~min}$ | 2.5 | kV |




## Features

- Hall effect measuring principle
- Galvanic isolation between primary and secondary circuit
- Isolation voltage 2500 V
- Low power consumption


## 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

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HNC- 050 .. 100P
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UNIT: mm

