# **Current Transducer HTY 50..100-P**

 $I_{PN} = 50 ... 100 A$ 

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 current rms $I_{PN}$ (A)	ll Primary current measuring range I <sub>PM</sub> (A)	Туре	_	S since e code
50	± 150	HTY 50-P	46115	
75	± 225	HTY 75-P	46013	
100	± 300	HTY 100-P	46067	
<b>V</b> <sub>c</sub>	Supply voltage (± 5 %)		± 15	٧
I <sub>c</sub>	Current consumption		< ± 20	mA
<b>V</b> <sub>d</sub>	Rms voltage for AC isolatio	n test, 50 Hz, 1 min	2.5	kV
$\mathbf{R}_{\scriptscriptstyle IS}$	Isolation resistance @ 500	VDC	> 500	$M\Omega$
$\mathbf{V}_{OUT}$	Output voltage (Analog) @ ±	$\mathbf{I}_{PN}$ , $\mathbf{R}_{L} = 10 \text{ k}\Omega$ , $\mathbf{T}_{A} = 25 ^{\circ}\text{C}$	± 4	V
$\mathbf{R}_{\scriptscriptstyle \perp}$	Load resistance		> 10	kΩ

## **Accuracy-Dynamic performance data**

## General data

$\mathbf{T}_{A}$	Ambient operating temperature	- 10 + 75	°C
$\mathbf{T}_{_{\mathrm{S}}}$	Ambient storage temperature	- 15 + 85	°C
m	Mass	30	g

## **Features**

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