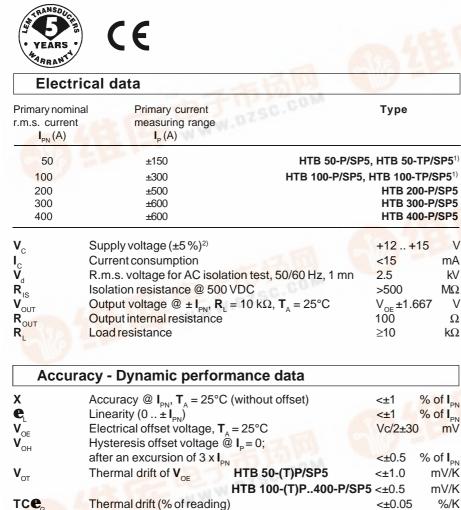
LEM

Current Transducers HTB 50 .. 400-P/SP5 and HTB 50 .. 100-TP/SP5

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).





I_{PN} = 50 ... 400 A

Features

- Hall effect measuring principle
- Galvanic isolation between primary and secondary circuit
- Isolation voltage 2500V
- Low power consumption
- Primary bus bar option for 50A and 100A version for ease of connection

Special Features

Single power supply from 12V to 15V

Advantages

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

Applications

<3

DC .. 50

-25 .. +85

-25 .. +85

<30 (<36)

μs

°C

°C

g

kHz

- AC variable speed drives
- Static converters for DC motor drives
- Battery supplied applications
- Uninterruptible Power Supplies
 (UPS)
- Switched Mode Power Supplies (SMPS)
- Power supplies for welding applications.

Notes : EN 50178 approval pending

General data

¹⁾ -TP version is equipped with a primary bus bar.

Mass (-TP version)

Response time @ 90% of I

Frequency bandwidth (-3 dB)³⁾

Ambient operating temperature

Ambient storage temperature

- $^{\rm 2)}$ Operating at +12V \leq Vc < +15V will reduce measuring range.
- ³⁾ Derating is needed to avoid excessive core heating at high frequency.



t

f

 \mathbf{T}_{A}

Ts

m



