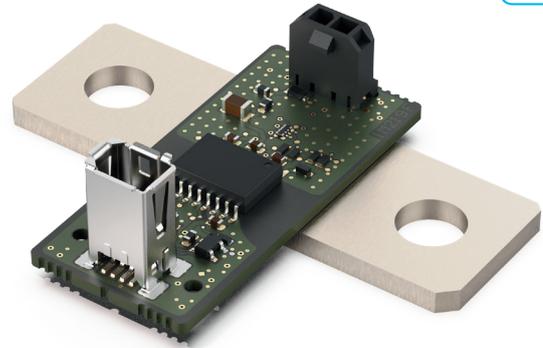




IPC-CII

COMPACT CURRENT SENSING

ISAscale® phase current sensor for standard industrial inverter



INTRODUCTION

The IPC series is a high bandwidth precision current measurement system, which provides a fully calibrated current sensing signal. Different types are available with three nominal current measurement ranges: 220 A, 380 A and 600 A. The sensors are shunt based and provide an extended measurement range up to 1,780 A. The IPC supports AC and DC applications.

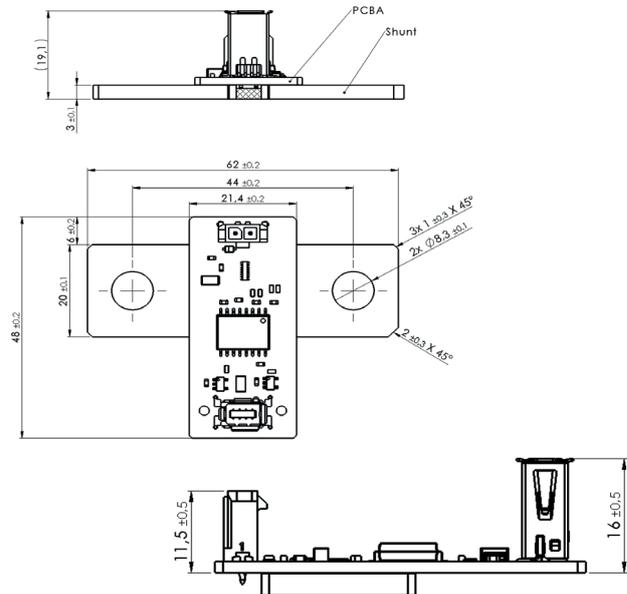
APPLICATIONS

- Frequency inverter machine tools & wind turbines
- Central inverter PV open space plants
- Frequency inverter for electrical machines and drives
- UPS system

FEATURES

- Galvanic isolated (1,500 V)
- High long-term stability
- Compact hardware design
- Communication signal LVDS
- 1 Bit datastream output

DIMENSIONS [mm]



TECHNICAL DATA

| Description | Value | | | Unit |
|-----------------------------------|-------|------|------|--------------|
| Measurement range | ±220 | ±380 | ±600 | A |
| Resolution | 22 | 38 | 60 | mA |
| Initial accuracy | ±0.2 | | | % of reading |
| Total accuracy | ±1.0 | | | % of reading |
| Bandwidth analog input filter 3dB | ≤150 | | | kHz |
| Offset | ≤180 | ≤300 | ≤480 | mA |
| Noise | ≤3 | | | digits (RMS) |