



HIGH PRECISION CURRENT MEASUREMENT SYSTEM



IPC-SII // COMPACT CURRENT SENSING

ISAscale® phase current sensor for standard industrial inverter

Introduction

- Precision phase current sensor
- Full calibrated system
- Low offset
- High noise immunity
- Accuracy 0.2% (-40°C to 85°C) of reading
- Delta-Sigma-Modulator datastream which can be used for several analyses in customers control unit



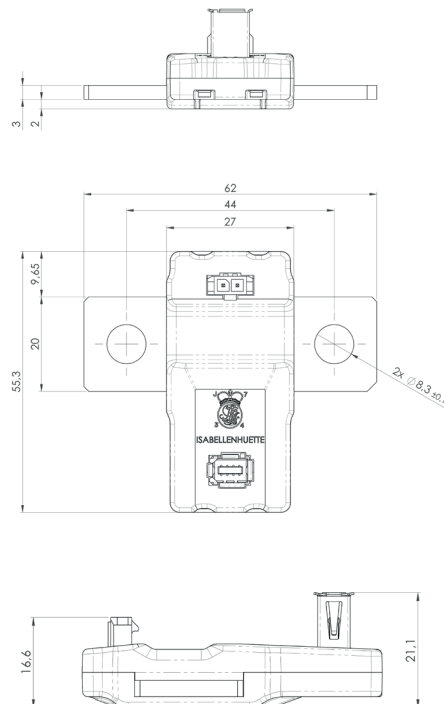
Applications

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

Features

- Galvanic isolated (1500 V)
- Connector for industrial environment
- Protection degree IP 40
- Multiple use of digital datastream
- High long-term stability
- Direct connecting on high potential
- Compact hardware design
- Communication signal LVDS

Dimensions [mm]



Technical data

Description				Unit
Measurement range	220	380	540	A
Resolution	22	38	54	mA
Initial accuracy		±0.2		% of reading
Total accuracy		±1.0		% of reading
Bandwith analog input filter 3dB		400		kHz
Offset		0.08		% of range