

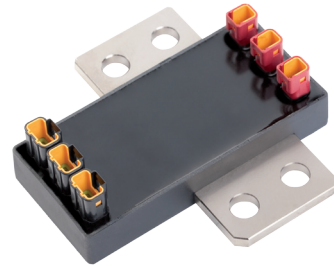


IVT-MOD // FLEXIBLE CURRENT & VOLTAGE SENSING

ISAscale® shunt-based current & voltage sensor designed for DC applications

Introduction

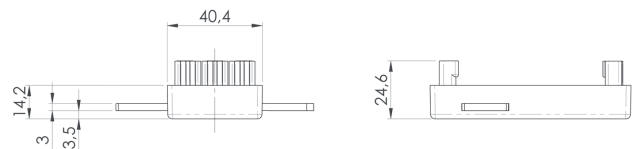
- Range up to $\pm 1,000$ A
- 16-bit analog-digital converter
- Communication based on CANbus 2.0
- CANbus data base container (DBC)
- Output rate: 1 kHz
- Galvanic isolation: 560V



Applications

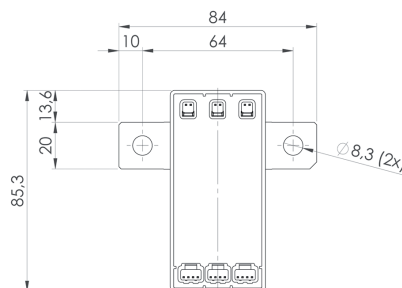
- Hybrid and full electric devices
- UPS systems
- Stationary energy storage systems
- Fuel cells
- Battery and storage based applications

Dimensions [mm]



Features

- Three voltage measurement channels
- Overcurrent detection
- Hardware trigger
- Continually stored logdata
- Calculation of power
- Current and energy counter



Technical data

Description					Unit
Measurement range	± 100	± 300	± 500	$\pm 1,000$	A
Resolution	3	10	27	47	mA
Initial accuracy		± 0.1			% of reading
Total accuracy		± 0.4			% of reading
Linearity		0.01			% of range
Voltage measurement		± 600			V
Galvanic isolation		± 560			V