**Extension modules Module 800-CT-8-A**

To expand a modular multi-channel energy meter to up to 92 current measuring channels or to connect remote system parts, etc., up to 10 expansion modules (e.g. current measuring modules) can be connected via the internal bus or the bus transfer modules with a maximum bus length of 100 m.

Distortion factor THD-I in %, single harmonic (odd) for current up to the 9th harmonic, gapless 4-quadrant measurement, continuous true RMS measurement. Memory for min- / max-values in the base unit. Sampling rate of 8.3 kHz with 166 measuring points per period. 4 LEDs to indicate the status of supply voltage, data transmission or module error.

Accuracy classes according to IEC 61557-12 at 50/60 Hz:

Active energy class: 0.5S / current: 0.5

RMS value from periods (50/60 Hz): 10/12

Current measurement:

Current measurement inputs: 8x as 2 blocks of four

Measuring modes: 1-Ph.-measurement, 3-Ph.-measurement optional with N or Aron switching

Measuring category: 300V CAT II

Current measuring range: 5 mA to 6 A rms

Resolution: 0.1 mA (16 bit)

Sampling frequency current: 8.3 kHz (166 samples)

Crest factor: 2.0

Rated impulse voltage: 2 kV

Power consumption: approx. 0.2 VA ( Ri = 5 mOhm )

Overload: 1s at 120A (sinusoidal)

Unit dimensions (W x H x D): 73 x 90 x 76 (4HP)

Type of construction: top-hat rail installation unit

Net weight : approx. 210 g

Protection class according to EN 60529: IP20

Temperature range operation: -10° C to +55° C (K55)

Temperature storage & transport: -25° C to +70° C (K55)

Relative humidity: 5 to 95% at 25 °C without condensation

Heat dissipation: max. 0.8 W (maximum power consumption)

Delivery includes: documentation, bus connector current measurement module, end angle, parameterisation & evaluation software in basic version with database, manual report generation, topology view for visualisation as well as graphic measurement data display.

Approved and compatible only in conjunction with the manufacturer's associated modular multi-channel energy meter.

Delivery includes:

Mounting accessories, documentation, parameterisation & evaluation software in basic version, compatible current transformer set min. Kl. 0.5 all-phase, measuring transformer disconnect terminals with screw connection 0.2 - 10 mm², jumpers as well as DIN rail clamp for DIN rail mounting according to DIN VDE 0100 - 557.5.3.1, configuration and parameterisation of the device.

- Adjustment of the design to the practical application

- Delivery, assembly and connection

Primary current at measuring point: '.........'. A.

Delivery includes:

Mounting accessories, documentation, parameterisation & evaluation software in basic version, adjustment of the design to the practical application as well as the measured variables incl. their recording intervals, compatible current transformer set min. Kl. 0.5 all-phase, measuring transformer disconnect terminals with screw connection 0.2 - 10 mm², bridges as well as DIN rail clamp for DIN rail mounting according to DIN VDE 0100 - 557.5.3.1, compatible residual current transformers, configuration and parameterisation of the unit (e.g. mains form, transformer ratios, addressing of the communication interfaces), delivery, assembly as well as connection.

Manufacturer: Janitza electronics GmbH

Type: Module 800-CT-8-A

Art.no.: 5231201communication interfaces), delivery, assembly as well as connection.

Manufacturer: Janitza electronics GmbH

Type: Module 800-CT-8-A

Art.no.: 5231201