B21

B21 ENERGY METER - SINGLE PHASE

- Single phase Energy Meter
- Up to 65A direct connected
- 2DIN
- Compatible and integrated with Compas (UCC)

B21 is a single phase direct connected meter up to 65 A. The B21 is measuring active energy with accuracy class B

(Cl. 1) and reactive energy with accuracy class 2. The low rated or base currents of the meter ensures high dynamic performance with superior accuracy even at low currents. Navigation the meter is easily done via the push-buttons below the display. The exceptional low power consumption of the meter, less than 0.9 VA, makes it economical in the long run - an important feature specially for large meter populations.

Approvals:

The B21 meter is type approved according to IEC as well as type approved and verified according to MID.

MID is the Measure Instruments Directive 2004/22/EC from European Commission. The type approval is according to standards that covers all relevant technical aspects of the meter.

These include climate conditions, electromagnetic compatibility (EMC), electrical requirements, mechanical equirements and accuracy.

Electrical

Nominal Voltage : ..... 230V AC
Voltage Range: ..... 220-240 VAC (-20%, +15%)
Max current : 65A
Minimum current: 0.25A

Features

Measurements: ..... Active Power
Reactive Power
Apparent Power
Current
Voltage
Power Factor
Communication: ..... Modbus RS485
Pulse Indicator:
Pulse Frequency: 1000imp/kWh
Pulse Length: 40ms

Mechanical

Terminal Wiring Area : 1-25mm²
Dimensions:
Width: 35mm
Height: 97mm
Depth: 65mm
DIN modules: 2

Environmental

Operating Temperature: ..... -40°C to +70°C
Humidity: ..... 75% yearly average, 95% on 30 days/year

Standards

Mechanical: ..... Class M1 in accordance with the Measuring Instrument Directive (MID). (2004/22/EC).
Electromagnetic: ..... Class E2 in accordance with the Measuring Instrument Directive (MID), (2004/22/EC).

Standard Part Numbers

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Related Items

Solution:
UCC: Universal Compas Controller