Metering your three phase demand
BEC62 range

The split configuration of the BEC62 range of three phase meters, means that the metering device is installed outside the consumer’s premises, whilst the user interface keypad is installed within the home. This provides increased security, whilst ensuring consumer convenience. Absolute safety is assured through the built in galvanic isolation, and the new advanced tamper detection capabilities detect tamper even in the absence of an incoming supply.

Features
- Advanced tamper detection
- Reverse energy measurement
- Configurable low credit alarm threshold
- Operates in extreme supply conditions
- Galvanically isolated
- Communication status
Product specifications

**Voltage ratings**
- Nominal voltage: 110VAC - 127VAC, 220VAC - 230VAC
- Supply frequency: 60Hz, 50Hz
- Rated Voltage: 380V - 415V

**Current ratings**
- Base current: 10A
- Max current: 100A
- Min starting current:
  - Class 1: 40mA
  - Class 2: 50mA
- Utilisation category: UC2

**Nominal power consumption**
- 1.6W / 9VA

**Accuracy**
- Class 1 and 2 (maintained throughout life cycle of product)

**Over voltage rating**
- 420VAC for 48 hours

**Short circuit rating**
- Short-circuit withstand: 3.0kA

**Protection**
- Power overload
- Current overload
- Thermal overload
- Phase imbalance
- Over / under voltage
- Galvanic isolation

**Environmental**
- Operating temperature: -10°C to +55°C
- Storage temperature: -25°C to +70°C
- Humidity: 95% non-condensing
- IP rating: IP 54
- RF immunity: 30V/m

**Status indicators**
- Load / power status
- MCU / UIU communication
- Rate LED (1000 pulses / kWh)

**Installation**
- Footprint: BS7856
- Insulation class: Double insulation

**Terminals**
- Live:
  - Cage clamp: 25mm²
- Neutral:
  - Cage clamp: 25mm²
- Communication:
  - Spring clamp: 0.7mm²

**Security**
- Security seals
- Serialised plastic security seals
- Tamper terminal cover
- Load disconnection on tamper detection
- No power tamper (optional)

**Standards**
- IEC 62052-11
- IEC 62053-21
- IEC 62055-41
- IEC 62056-21
- IEC 60068-2-27
- IEC 60068-2-6
- IEC 60068-2-6
- SANS 1524-1
- ISO 14001:2004
- ISO 9001:2008
- ISO 18001:2007

**Packaging**
- Units per box: 1
- Box weight (incl box): 1.3kg

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