Combining protection and energy management

BEC23(09) range

The BEC23(09) earth leakage range is the ideal prepayment meter for low cost housing projects. The integration of earth leakage protection and a double pole circuit breaker, means there is no need to install a separate distribution box, making installation simpler and more cost effective. The cost of reticulation is also reduced as the meter is designed with a maximum current of 20 Amps.

Enhanced security & protection features

Token Entry lockout
> Protection against fraudulent token attacks

Features

> Active and reactive power measurement
> Power factor measurement
> Power overload protection
> Current overload protection
> Pre-paid and post-paid mode
> Reverse line/load protection
> Configurable tamper detection
> Low base current measurement
> Programmable overload
> List of last 10 meter specific tokens
> Common wallbase mounting
> Comprehensive earth leakage protection
> Configurable low credit alarm threshold

We see a world where we can all achieve more while using less
We help utilities maximise their service delivery
Our products, solutions and services are simple, efficient and innovative

Conlog Solutions for utilities
### Product specifications

**Voltage ratings**
- Nominal voltage: (-20% +15%)
  - 220VAC - 240VAC
- Supply frequency: (±2%)
  - 50Hz

**Current ratings**
- Base current (Ib)
  - 5A
- Max current (Imax)
  - 20A
- Min starting current (Ist)
  - Class 1: 20mA
  - Class 2: 25mA
- Utilisation category
  - UC2
- Nominal power consumption
  - 1.2VA / 9.5VA

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

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

**Short circuit rating**
- Short-circuit withstand 2.5kA

**Protection**
- Power overload
- Line / load reversal
- Current overload
- Earth Leakage

**Environmental**
- Operating temperature
  - -10°C to +55°C
- Storage temperature
  - -25°C to +70°C
- Humidity
  - 95% non-condensing
- IP rating
  - IP 51
- RF immunity
  - 30V/m

**Status indicators**
- Rate LED (1000 pulses / kWh)

**Installation**
- Footprint
- Common wallbase
- Insulation class
- Double insulation

**Terminals**
- Live
  - Bus bars
- Neutral
  - Bus bars

**Interrogation**
- Type
  - MC171 direct probe

**Security**
- Meter housing
- Provision for lead seals or wire seals
- Tamper protection
- Plastic seals
- Load disconnection on tamper detection

**Standards**
- IEC 62051-1
- SANS 1524-4
- SANS 1524-1-1
- IEC 62052-11
- SANS 15417
- SANS 1524-1-2
- IEC 62053-21
- STS 101-1
- OHSAS 18001
- IEC 62055-31
- STS 201-15.1.0
- ISO 14001
- IEC 62055-41
- DSP 34-749
- ISO 9001
- IEC 62055-51
- DSP 34-1635
- SANS 1524-1
- IEC 62055-52
- RES/RR/00/11740
- SANS 767-1
- VC 8035

**Packaging**
- Units per carton
  - Wallbase: 10
  - Meter: 5
  - Meter and wallbase: 5
- Carton weight (incl box)
  - Wallbase: 4.2kg
  - Meter: 4.6kg
  - Meter and wallbase: 8.7kg

For further packaging information, kindly contact Conlog

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