Conlog’s BEC23(09) range of prepayment meters offer a cost effective method of metering loads up to a maximum of 80A. In addition, the meter consists of a two-part housing being a wallbase and the active meter. This configuration allows for the pre-installation of the wallbase and the ability to remove the meter for maintenance, without disconnecting the supply.

Integrated metering
BEC23(09) range

Enhanced security & protection features
Token Entry lockout
> Protection against fraudulent token attacks

Features
> Active and reactive power measurement
> Power factor measurement
> Renewable energy management
> Power overload protection
> Current overload protection
> Pre-paid and post-paid mode
> Under and over voltage protection
> Reverse line/load protection
> Configurable tamper detection
> Low base current measurement
> Programmable overload
> List of last 10 meter specific tokens
> Common wallbase mounting
> 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
Product specifications

**Voltage ratings**
- Nominal voltage: 220VAC - 240VAC
- Supply frequency: 50Hz

**Current ratings**
- Base current (Ib): 5A
- Max current (I(max)): 80A
- Min starting current:
  - Class 1: 20mA
  - Class 2: 25mA (Earth leakage only)

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

**Environmental**
- Operating temperature: -10°C to +55°C
- Storage temperature: -25°C to +70°C
- Humidity: 95% non-condensing
- IP rating: PL - IP54, PE/PD - IP51
- RF immunity: 30V/m

**Protection**
- Over voltage rating: 420VAC for 48 hours
- Short circuit rating: Short-circuit withstand 2.5kA
- Over / under voltage
- Power overload
- Current overload
- Line / load reversal
- Thermal

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

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

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

**Interrogation**
- Type: Type A (direct probe)

**Security**
- Meter housing
- Provision for lead seals or wire seals
- 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

**Packaging**
- Wallbase: 10 units, 4.2kg
- Meter: 5 units, 3.9kg
- Meter and Wallbase: 5 units, 8.7kg

For further packaging information, kindly contact Conlog