Conlog’s latest BEC44 range once again revolutionises the industry, as the world’s first and smallest DIN rail mounted prepayment meter, has just got even smaller. Added to that is the ability for the meter to operate as either a prepayment or post-payment meter. Galvanic isolation is standard across the range, as is a host of configurable management options such as emergency credit, life line, consumption limiting and administrator modes. Further, the meters are available as wired and non-wired solutions.

**Features**
- Active and reactive power measurement
- Power factor measurement
- Renewable energy management
- Power overload protection
- Current overload protection
- Thermal overload protection
- Configurable tamper detection
- Pre-paid and post-paid mode
- Under and over voltage protection
- Reverse line/load protection
- Emergency and lifeline support
- Configurable low credit alarm threshold
- Operates in extreme supply conditions
- Communication status LED

**Enhanced security & protection features**
- Remote and manual disconnect/reconnect
- Detection of bypass and illegal connections
- Management of unpaid post-paid accounts
- Activate and test meter disconnection device
- Token Entry lockout
- Protection against fraudulent token attacks
- Delayed reconnection
- In rush current protection of utility assets
- Protects appliances from surge due to load shedding

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 (-20% +±5%)
  - 110VAC - 127VAC
  - 220VAC - 240VAC

- Supply frequency (±5%)
  - 60Hz
  - 50Hz

### Current ratings
- Base current (Ib)
  - 5A
- Max current (I_{max})
  - 100A
- Min starting current (Class 1)
  - 20mA
- Utility category
  - UC2

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

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

### Over voltage rating
- 440VAC for 48 hours

### Short circuit rating
- Short-circuit withstand 3.0kA

### Protection
- Power overload
- Current overload
- Thermal overload
- Line / load reversal
- Over / under voltage
- Galvanic isolation
- Delayed reconnection

### Environmental
- Operating temperature
  - -10°C to +55°C
- Storage temperature
  - -25°C to +70°C
- Humidity
  - 95% non-condensing
- IP rating
  - IP 54 (Meter and user interface unit)
- RF immunity
  - 30V/m

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

### Installation
- DIN rail mounted (35mm)
- Double insulation

### Terminals

<table>
<thead>
<tr>
<th>Type</th>
<th>Live</th>
<th>Neutral</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Cage clamp</td>
<td>Cage clamp</td>
<td>Spring clamp</td>
</tr>
<tr>
<td>Maximum size</td>
<td>25mm²</td>
<td>16mm²</td>
<td>0.7mm²</td>
</tr>
</tbody>
</table>

### Interrogation
- Type (Optional)
  - MC171 direct probe
  - USB type port
  - Flags
  - Radio frequency

### Security
- Security seals
- Meter housing tamper protection
- Tamper terminal cover
- Load disconnection on tamper detection

### Standards
- IEC 62052-11
- IEC 62055-51
- DSP 34-749
- IEC 62053-21
- IEC 62055-52
- DSP 34-1527
- IEC 62055-21
- SANS 1524-1
- DSP 34-1635
- IEC 62055-31
- SANS 15417
- ISO 14001:2004
- IEC 62055-41
- ISO 18001:2007
- ISO 9001:2008

### Packaging
- Units per carton: 10
- Carton weight (incl box): 3.12kg

For further packaging information, kindly contact Conlog

* Subject to ambient conditions