Balancing your power needs
BEC32 range

The three phase integrated BEC32 range, with BS footprint, are ideal meters for the retrofit market, whether residential, commercial or light industrial. The meters are exceptionally hardy and robust, making them ideal for a wide variety of installation environments. An added feature of the range is the ability to detect tampering, even in the absence of an incoming supply.

Features
- Reverse energy measurement
- Configurable tamper detection
- Meter fully operational with only one phase powered
- Programmable phase imbalance
- Thermal protection of terminals

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% +15%)
Supply frequency (±5%)
220VAC - 230VAC
50Hz

Current ratings
Base current (Ib)
Max current (Imax)
Min starting current
Class 1
Class 2
Utilisation category
10A
100A
40mA
50mA
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
Over / under voltage
Meter tampering
Thermal overload
Phase imbalance

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
Rate LED (1000 pulses / kWh)

Installation
Footprint
Insulation class

Terminals
Type
Maximum size
Live
Cage clamp
25mm²
Neutral
Cage clamp
25mm²

Security
Meter housing
Terminal cover
Tamper protection
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 60068-2-1
SANS 1524-1
ISO 14001:2004
ISO 9001:2008
ISO 18001

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

For further packaging information, kindly contact Conlog