

High current metering

BEC66 range

The BEC66 series of metering solutions are specifically designed for high current, industrial customers, metering up to 250A per phase. This robust meter provides extensive tamper protection, even in the absence of an incoming supply, as well as protection against power overload and extreme temperatures.



Features

- > Optional intelligent commissioning
- > Tamper protection
- > Programmable power overload functionality
- > Thermal protection of terminals
- > Base current of 30A and starting current of 0.15A
- > Calibration retained over life of meter
- > Capable of supplying 172.5kW



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%) 220VAC - 240VAC
 Supply frequency (±2%) 50Hz

Current ratings

Base current (I_b) 30A
 Max current (I_{max}) 250A
 Min starting current Class 2 0.15A
 Utilisation category UC3

Nominal power consumption

2.5W and 18VA

Accuracy

Class 2 (maintained throughout life cycle of product)

Over voltage rating

420VAC for 48 hours

Short circuit rating

Short-circuit withstand 7.5kA

Protection

Power overload Thermal overload
 Current overload Phase imbalance
 Over / under voltage

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
 Rate LED (333 pulses / kWh)

Installation

Footprint Metal box mounted with asymmetrical brackets
 Insulation class Double insulation

Terminals

Maximum cable size

Live	Neutral	Communication
185mm ²	185mm ²	0.7mm ²

Interrogation

Type Flags probe

Security

Meter housing Security seals
 Terminal cover Serialised plastic security seals
 Tamper protection Tamper terminal cover
 Load disconnection on tamper detection
 No power tamper (optional)

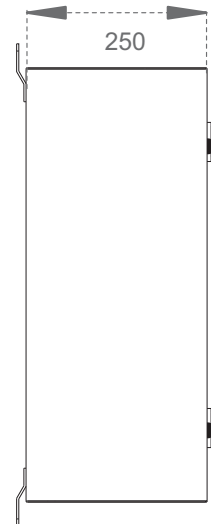
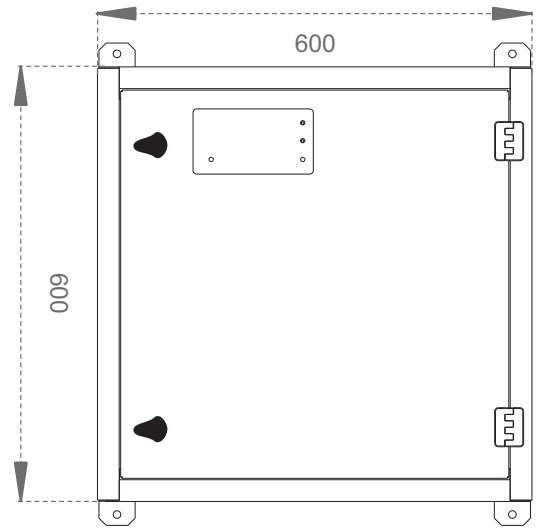
Standards

IEC 62052-11 IEC 60068-2-6
 IEC 62053-21 ISO 14001:2004
 IEC 62055-41 ISO 9001:2008
 IEC 62056-21
 IEC 60068-2-27

Packaging

Units per box 1
 Box weight (incl box) 36kg

For further packaging information, kindly contact Conlog



Conlog

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