

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

Product specifications

Voltage ratings

Nominal voltage (-20% +15%) 220VAC - 240VAC
Supply frequency ($\pm 2\%$) 50Hz

Current ratings

Base current (I_b) 5A
Max current (I_{max}) 20A
Min starting current
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
Current overload
Line / load reversal
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

Type

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		

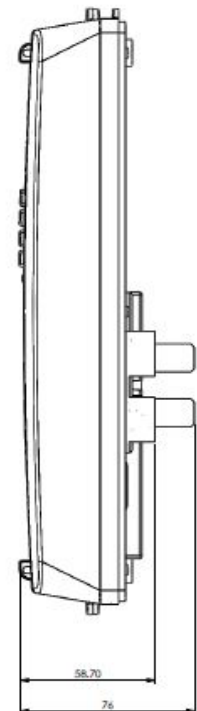
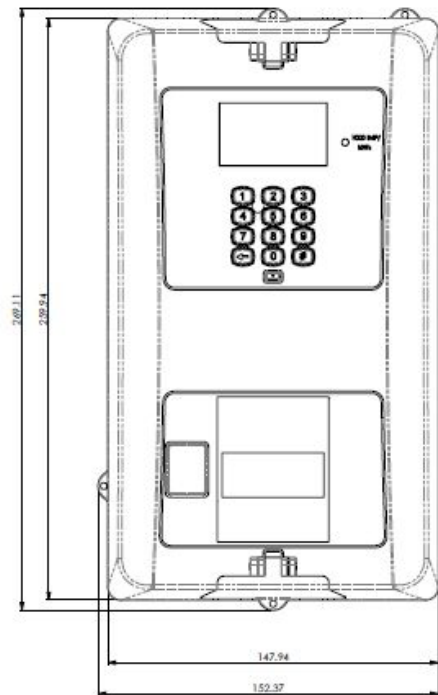
Packaging

Units per carton
Carton weight (incl box)

Wallbase
10
4.2kg

Meter
5
4.6kg

Meter and wallbase
5
8.7kg



For further packaging information, kindly contact Conlog

Conlog

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