

Combining protection and energy management

BEC23 range

The BEC23 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.



Features

- > Reverse energy detection and disconnection
- > Configurable tamper detection
- > Low base current measurement
- > Programmable overload
- > List of last 10 meter specific tokens
- > Comprehensive earth leakage protection
- > Common wallbase mounting



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)	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	Line / load reversal
Current overload	Over / under voltage
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
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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

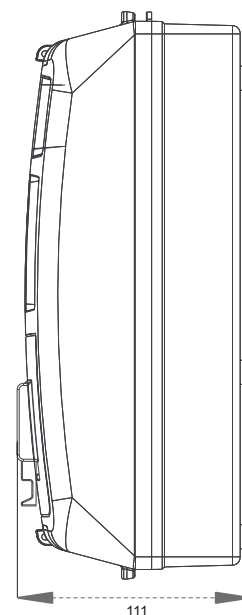
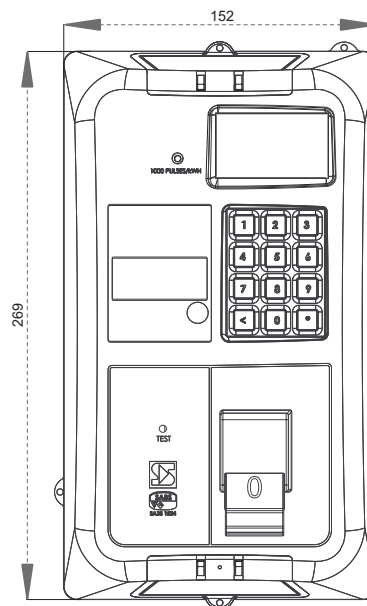
IEC 62052-11	IEC 60068-2-6
IEC 62053-21	SANS 1524-1
IEC 62055-41	ISO 14001:2004
IEC 62056-21	ISO 9001:2008
IEC 60068-2-27	ISO 18001:2007

Packaging

Units per carton			
Carton weight (incl box)			

Wallbase 10 4.2kg	Meter 5 4.6kg	Meter and wallbase 5 8.7kg
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For further packaging information, kindly contact Conlog



Conlog

P O Box 2332, Durban, 4000, South Africa
 Tel +27 (31) 268-1111 Fax +27 (31) 268-1500
 www.conlog.co.za
 info@conlog.co.za