

CA368-Z04

Three Phase CT connection Electricity Meter

The CA368-Z04 is a current transformer (CT) operated three-phase multi-function with modular design. The meter is ideal for large residential homes, small commercial and industrial applications. The communication module is exchangeable, support PLC/RF/GPRS/3G/4G. The CA368-Z04 complies with the DLMS communication protocol. The built-in tariff structures are supporting active, reactive and apparent measurement modes.

Main Features

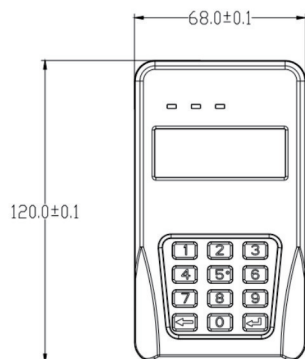
- Multi-Tariff
- AMI integrate
- DLMS / COSEM
- Infrared port/ RS485
- 20 digit STS encryption
- Tamper detection and record
- Import & export measurement
- LCD display, read without power
- Disconnects on overload and no credit
- Remote monitoring and remote control.
- Plug & Play module PLC /RF /GPRS /3G /4G
- Programmable power limit, Overcurrent, Overvoltage.
- Maximum demand measurement and load profiling (on request)



Split Configuration for Increased Revenue Protection

The meter consists of two parts, the MCU (Metering & Control Unit) and CIU (Customer Interface Unit). The MCU and CIU is linked via galvanically-isolated 2-wire communication cable or RF communication is also available on request.

The CIU is installed within consumer's home for prepaid token input and info inquiry, while MCU is installed in a meter cabinet away from consumers.



ELECTRICAL PARAMETERS

VOLTAGE/FREQUENCY/CURRENT

Nominal voltage U_n	3x230/240V
Limited voltage	80%~115% U_n
Frequency	50±2%
Basic current(I_b)	1A
Maximum current(I_{max})	10A
Starting current(I_{st})	30mA
Active energy constant	6400imp/kWh
Reactive energy constant	6400imp/kWh

ACCURACY

Active energy IEC62053 - 21	Class0.5S
Reactive energy IEC62053 - 23	Class1.0

BURDEN

Voltage circuit	<2W <8VA
Current circuit	<1VA

TEMPERATURE RANGE

Operation meter	-25°C~+70°C
Storage	-40°C~+85°C

INSULATION

Insulation level	4kV rms 1min
Voltage impulse withstand	8kV 1.2/50 μs

ELECTRO MAGNETIC COMPATIBILITY

ELECTROSTATIC DISCHARGES

Contact discharge	8kV
Air discharge	16kV

ELECTROMAGNETIC RF FIELDS

27MHz to 500MHz typical	10V/m
100kHz to 1GHz typical	30V/m
Fast transient burst test	4kV

MECHANICAL REQUIREMENTS

Meter shell Protection Rate	IP54
Insulation System Classification	Protective Class II
Maximum cable size	10 mm

