

BM.23 Single Phase Dual Channel Electronic Electricity Meter



GENERAL FEATURES

- MID (Measuring Instruments Directive) Certified
- Eight different time zones can be set during the day and saved in one of four different tariffs. It is possible to create different time zones and different tariffs for 4 different day types (weekdays, saturday, sunday and public holidays).
- Automatic daylight save implementation.
- Tariff informations, meter date and time, daylight saving time can be changed by authorized personnel.
- If the top cover is opened, it records the opening date and time.
- If the terminal cover is opened, it records the first opening date for each month and the total number of openings in that month. The last 12 months are stored in memory.
- In the case of magnetic tampering, it records the start, end times and total magnetic tamper duration.
- The meter records the consumed energy for each tariff in the last 12 months, the maximum demand in the last 12 months and the date and time of the demand.
- The meter records the last 10 of voltage connection faults and current connection faults.
- The meter records the start and end dates of the last 10 of short and long power cuts.
- Programmable load profile period (15-30-60 min.).
- Programmable max. demand period (15-30-60 min.) In other meters, the demand time interval will be standard 15 minutes.
- Long life and maintenance free operation



TECHNICAL SPECIFICATIONS

Meter Type	1-Phase, 2-Wire, One direction
Accuracy Class	Active Class C
Nominal Voltage (Un)	230 V
Operating Voltage Range	0,8 Un and 1,15Un
Reference Frequency	50 Hz \pm 5%
Starting Current (Ist)	20 mA
Minimum Current (Imin)	0,15 A
Transitional Current (Itr)	0,5 A
Nominal Current (In)	5 A
Maximum Current (Imax)	100 A
IP Rating	IP54 (Outside)
Protective Class	Two (2)
Operating Temperature	-40 °C, +70 °C (3K7)
Mechanical Environment Class	M1 (According to 2014/32/EU)
Electromagnetic Environment Class	E2 (According to 2014/32/EU)
Voltage Circuit Power Consumption	< 2W, 2VA
Current Circuit Power Consumption	< 4VA
ESD Immunity	Contact: 8 kV; Air: 15 kV
Impulse Voltage	6 kV
Meter Constant	1000 imp/kWh
LCD Display	6+3, (Backlight Optional)
Communication	Optical (300-19200 Baud)
Real Time Clock Accuracy	< 0.5 sec/day (EN 62054-21)
Weight	0,37 kg

DIMENSIONS

