



EC3

Three-phase residential meter



EC3 ideal for household application, low cost solution up to 100 A.

Built-in shunt, calendar and multi-tariff energy registration, OBIS data identification system, maximum demand and load profile registration.

MAIN FEATURES

- Active energy measurement (import /export directions or cumulative)
- Built-in real time clock, calendar
- TOU schedules, 4 tariffs
- Manual or automatic ending of billing period
- Archive metering data stored up to 16 billing period
- Maximum and cumulative demand registration
- Daylight saving time function
- Programmable list of displayed data (OBIS)
- Configurable amount of decimal places

OPTIONAL FEATURES

- Relay output
- Pulse output device
- Tampering detection
- Built-in battery
- Input for external tariff control
- Enhanced protection against voltage pulse 12 kV
- Communication interface (RS-232, RS-485)
- Data exchange protocol according to DLMS
- Load profile

Efficient, Reliable and Multifunctional

SPECIFICATIONS

Voltage ratings

Reference voltage (U_n) 3 x 230 / 400 V
 Supply frequency 50 Hz

Current ratings

Starting current 20 mA
 Basic current (I_b) 5 / 10 / 15 A
 Maximum current 60 / 80 / 100 A

Rated insulation voltage

6 kV / 12 kV

Overvoltage protection

4 kV

Accuracy class

B or A / 1 or 2

Protection degree

IP 55

Number of tariffs

Maximum 4

Communication interfaces (optional)

Optical interface (IEC 1107),
 RS-232, RS-485

Display

LCD (8 digits with configurable amount of decimal places up to 3 decimals)

Weather conditions

Working temperature -25 to +55 °C / -40 to +70 °C
 Installation conditions Outdoor (Humidity without moisture condensation)

Power consumption in voltage circuit

0.6 W / 1.2 VA

Impulse constant

1500 imp/kWh

Dimensions w/h/d

177 / 327 / 84.8 mm

Weight

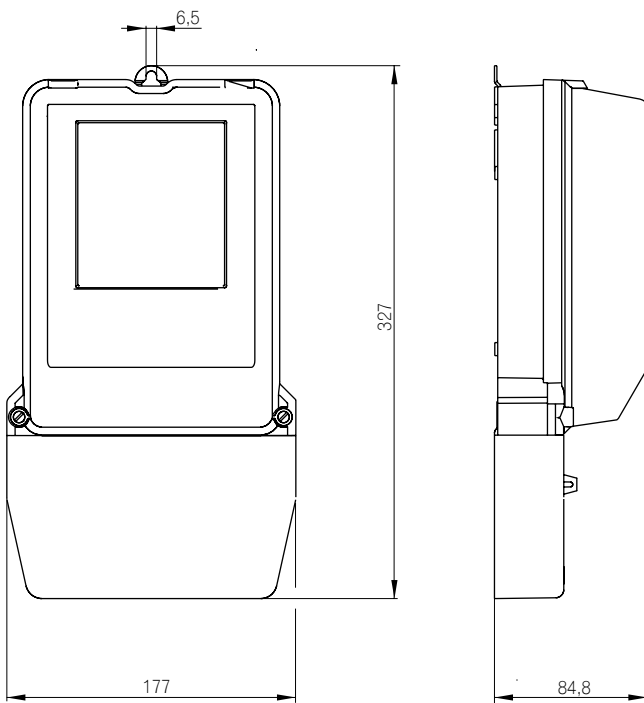
1.2 kg

Standards

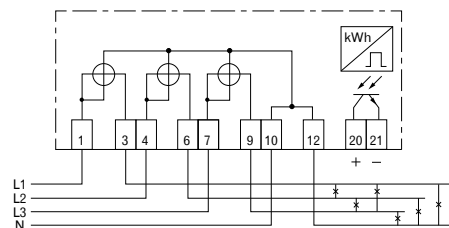
EN 62052-11
 EN 62053-21

Certificate

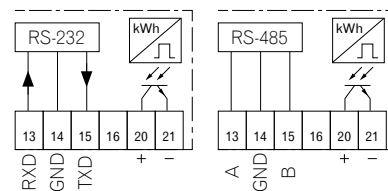
MID, DLMS



Wiring diagram



Basic wiring diagram according to DIN



Optional interfaces



Apator S.A.
 ul. Żółkiewskiego 21/29, 87-100 Toruń, Poland
 tel. +48.56 61 91 234, fax +48.56 61 91 295
 sales@apator.com.pl

www.apator.eu