



NEO3

Three-phase industrial meter



NEO3 CT operated meter perfect and universal solution for industrial application.

Active and reactive energy measurement, multi-rate register of energy and power, OBIS data identification system.

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 periods
- Maximum and cumulative demand registration
- Daylight saving time function
- Programmable list of displayed data (OBIS)
- Configurable amount of decimal places

OPTIONAL FEATURES

- Reactive energy measurement
- Relay output
- Pulse output device
- Tampering detection
- Built-in battery
- Input for external tariff control
- CT connection
- Load profile
- Communication interface (RS-232, RS-485)

Efficient, Reliable and Multifunctional

SPECIFICATIONS

Voltage ratings

Reference voltage (U_n)	3 x 230 / 400V 3 x 58 / 100 V
Supply frequency	50 or 60 Hz

Current ratings

Starting current	0.1 % I_b (class 0.5) 0.2 % I_b (class 1) 0.3 % I_b (class 2)
Basic current (I_b)	1 or 5 A
Maximum current	6 or 10 A

Rated insulation voltage

6 kV

Overvoltage protection

4 kV

Accuracy class

0.5, 1 or 2

IP Rating

IP 55

Number of tariffs

Maximum 4

Communication interfaces (optional)

Optical interface (EN 62056-21),
RS-232, RS-485

Display

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

Weather conditions

Working temperature	-30 to +70 °C
Installation conditions	Outdoor (Humidity without moisture condensation)

Power consumption in voltage circuit

< 0.8 W

Power consumption in current circuit

< 0.01 VA

Impulse constant

5000 or 20000 imp/kWh (kvarh)

Dimensions w/h/d

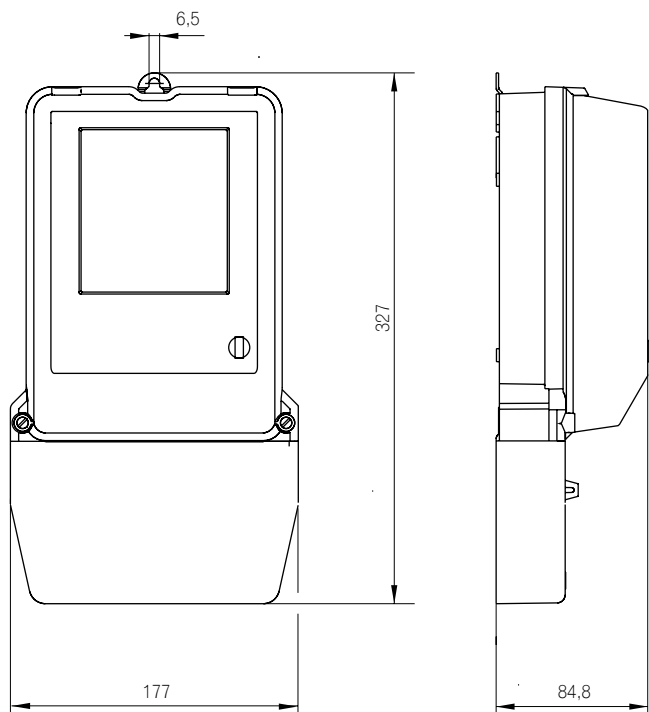
177 / 327 / 84.8 mm

Weight

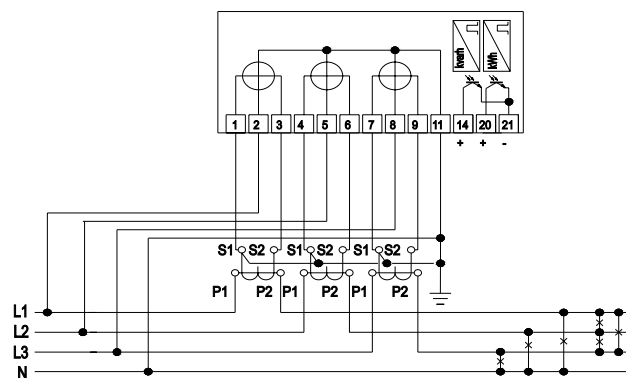
1.3 kg

Standards

EN 62052-11
EN 62053-21
EN 62053-23



Wiring diagram for indirect energy measurement, clock synchronization inputs



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