

Etto

Single phase electrical energy counter

Etto is a microprocessor based electrical energy counter with pulse output. Etto can be sealed with a tamper proof kit provided with the instrument. Performs the measure of the active energy on a single phase network with direct connection up to 32A. Readings are RMS values measured by a digital circuit guaranteeing maximum precision, reliability and stability over time.



- Display on 7-digit electromechanical meter
- Tamper proof kit
- Self powered from input voltage
- LED to show the consumed energy
- Pulse output for the transmission of the active energy
- Class 1 (kWh) according to EN62053-21
- RMS measurement up to the 16th harmonics
- Direct current input
- Easy to install and friendly in use
- DIN rail mounting version

Technical Specification

Hardware Characteristics

Power Supply	Self powered from the voltage input (180 – 270 Vac)
Voltage Input	180 - 270 Vac
Current Input	direct 5 (32) A
Impedance on input	1,5 MOhm
Precision	Class 1 on active energy according to EN62053-21
Measure	R.M.S. up to 16th harmonics
Pulse output	Opto-isolated. 100 impulse / kWh according to DIN43864
LED.....	red LED. 1600 impulse /kWh
kWh indicator.....	7-Digit Electromechanical (2 decimal)
Weight	100 gr.ca.
Insulation.....	according VDE 0110 group C for exercise tension of 500Vac RMS or VDE 0110 group B for exercise tension equal or lower of 250 VAC RMS phase-neutral

Working conditions

Working temperature.....	-10/+50 °C
Relative Humidity	90% without condensation

Mechanical Characteristics

Case	Self-extinguish plastic
Protection degree (front).....	IP40
Size: 2 DIN modules	36 x 90 x 58 mm
Mounting	on DIN rail
Terminals	screw clamps
Maximum cable section	2,5 mm ² (strained wire) 4 mm ² (hard wire)

This device comply to the following regulation:
EMC 89/336/EEC and obey to the following requirements:
EMISSION = EN 50081-1 1992 EN5022 CLASS B, CISPR 22;
IMMUNITY = EN 50082-1 1992 (light industry);
SECURITY=EN61010

Ordering Code

Type	Code
ETTO D2 230-240V ENERGY COUNTER ...	PFAA280-C2

Prior to modification without notice

Etto Data Sheet 2008 05 29 UK

Distributor
