

COUNTIS E00 / E02

Active energy meter and concentrator



Single phase - Direct 32 A

➤ Function

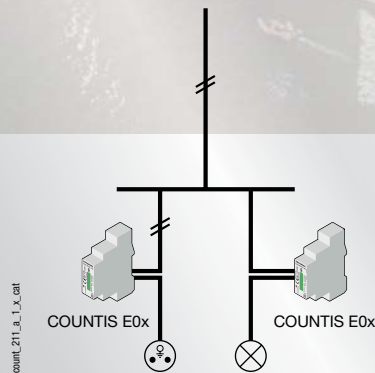
The **COUNTIS E0x** is a modular active energy meter designed for single phase load metering.

This product is used for direct connections up to 32 A.

➤ Applications

The **COUNTIS E00** is a totalising meter allowing direct reading of the power consumed, using a pulse output. The **COUNTIS E02** has MID certification.

➤ Applications



The **COUNTIS E00** meters the active energy for all the outputs from 32 A. Its LCD display shows the kWh consumed by, for example, a machine, a motor or a boat in a marina.

The pulse output enables the kWh consumption to be gathered / uploaded to a PC in order to be analysed for billing, energy saving or energy cost management purposes.

➤ Conformity to standards

- IEC 62053-21 class 1
- IEC 61010-1
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-4
- IEC 61000-4-5
- IEC 61000-4-6
- IEC 61000-4-8
- IEC 61000-4-11
- IEC 60068-2-6
- IEC 60068-2-11
- IEC 60068-2-30

➤ Services and Technical assistance

Our expertise extends to a complete offer of services like commissioning installation audit, training, maintenance and project engineering.

We propose a monitoring solution for « turnkey » projects. This service provision corresponds to level 2 or 3 of the « Service Categories » reference by GIMELEC.



Front panel



Characteristics

Current measurement (TRMS)

Type	32 A direct input
Input consumption	1 VA
Sustained overload	32 A
Overload	30 I _{max} for 10 ms
Minimum current measured	20 mA

Voltage measurements (TRMS)

Range of measurement	196 ... 264 VAC
Input consumption	8 VA
Sustained overload	264 VAC

Energy accuracy

Active (according to IEC 62053-21)	class 1
Active (according to EN 50470)	class B

Power supply

Self supplied	Yes
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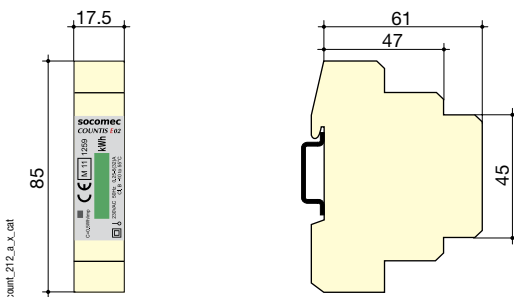
Output (pulsed)

Number	1
Type of optocoupler	15VDC max
Fixed weight of impulses	100 Wh
Impulse duration	100 ms

Operating conditions

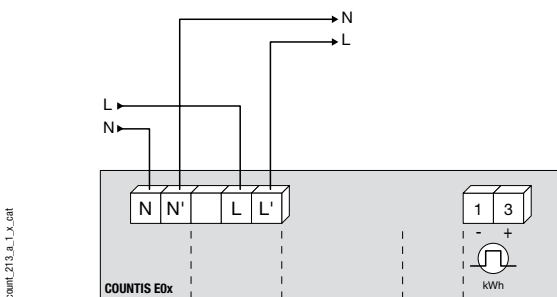
Operating temperature	- 10 ... + 55 °C
Storage temperature	- 20 ... + 70 °C
Relative humidity	95 %

Case



Type	Modular
Number of modules	1
Dimensions L x H x P	17,5 x 85 x 61
Switch body protection degree	IP 20
Front protection rating	IP 50
Display type	LCD 5+1 digits
Rigid cable connection section	10 mm ²
Flexible cable connection section	6 mm ²
Weight	150 g

Terminals and connections



N - L: network input.
 N' - L': network output.
 1 - 3: output (pulsed).

References

Type	COUNTIS E00 Reference	COUNTIS E02 Reference
Direct 32 A	4850 3019	
Direct 32 A - MID		4850 3020