

**48503067**

## Active-energy meter COUNTIS E45 via CT dual tariff + pulse + M-BUS com.

The COUNTIS E4x is a modular electrical energy meter displaying the energy (kWh, kVAh and kVA) and other measurements directly on its backlit LCD display. It is designed for three-phase load metering with connection via CT and is suitable for applications of up to 12000 A.

COUNTIS E42, E44, E46 and E48 are MID certified.

### Strong points

- RS485 (MODBUS), M-BUS, Ethernet communication or pulse outputs
- B+D module MID-certified
- Bi-directional metering
- Multi-measurement and load curve

### General characteristics

- Measurement accuracy: 1 % / 0,5% (MID).
- Backlit LCD display.
- Multi-measurement available on display.

### Compliance with standards

- IEC 62053-21 Class 1
- IEC 62053-23 Class 2
- IEC 62053-31
- IEC 62053-11
- EN 50470-1
- EN 50470-3

### Access to resources (ex: manuals)

### Classification

UNSPSC	41113708
ETIM Class	EC001506
IGCC	6341

### Commerce

Effective date	2019-04-01
Country of origin	IT

### ETIM - Electrical characteristics

Nominal current (In) [A]	5
Max. current (Imax) [A]	12000
Nominal voltage (Un) N-L [V]	184..276
Nominal voltage (Un) L-L [V]	320..480
Frequency [Hz]	50..60
Accuracy class	B
Pole type	Three conductor/four conductor
Energy type	Effective power and blind power
Suitable for	Purchase/supply
Tariff type	Multi-tariff
Tariff control	External
Measurement type load profile	No
Calibrated	Yes
Pulse output	Electrical
Pulse type	S0
Pulse rate [Imp/kWh (kvarh)]	10..10

### ETIM - Mechanical characteristics

Escapement mechanism	No
Mounting method	DRA (DIN-rail adapter)
Width in number of modular spacings	4
With lock code	No
Degree of protection (IP)	IP51

### ETIM - Technical features

Type of meter	Electronic
Model	Measurement transformer
Approval	Domestic
Type of indication	Digital
Type of interface	M-bus (wired)
EEC40 signature	No

### Logistics

GTIN/EAN	3596033073632
Customs number	9028301900
Price unit	PC
Weight of the packing unit	0.374

Length of the packing unit	0.078
Width of the packing unit	0.088
Depth of the packing unit	0.103
<b>Norms</b>	
Conformity to standards	IEC
<b>Technical Characteristics</b>	
Application	Metering
Communication ports	EN 13757-2
Communication protocols	M-BUS
Model	E45
Type	3PH CT/5A