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Active-energy meter COUNTIS E46 via CT dual tariff + pulse + M-BUS com. + MID



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)

The COUNTIS E4x is a modular electrical energy meter displaying the energy (kWh, kVArh 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.

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	Measuring Instruments Directive
Type of indication	Digital
Type of interface	M-bus (wired)
EEC40 signature	No

Logistics

GTIN/EAN	3596033073649
Customs number	9028301900
Price unit	PC

Weight of the packing unit	0.38
Length of the packing unit	0.08
Width of the packing unit	0.085
Depth of the packing unit	0.105
Norms	
Conformity to standards	IEC
Technical Characteristics	
Application	Metering
Communication ports	EN 13757-2
Communication protocols	M-BUS
Model	E46
Type	3PH CT/5A, MID