

48503039

Active-energy meter COUNTIS E03 Direct 40A with RS485 MODBUS com.



Strong points

- Compact
- Output (pulses)
- B+D module MID-certified

General characteristics

- Compact dimensions.
- Measurement accuracy: 1%.
- Displayed on backlit screen.
- Multi-measurement available on display.

Compliance with standards

- IEC 62053-21 Class 1
- IEC 62053-23 Class 2
- IEC 62053-31
- IEC 62052-11
- EN 50470-1
- EN 50470-3

Link to the reference

<https://apac.socomec.com/en/reference/48503039>

COUNTIS E0x devices are modular electrical energy meters, they display kWh and kVArh readings and other measurements on the backlit LCD screen. These devices allow a direct connection up to 40 A.

COUNTIS E02, E04 and E06 units are MID-certified.

----- System -----

| | |
|-----------------------------|----|
| Fill rate E-Order Common | 29 |
| Fill rate E-Order Selection | 75 |

Classification

| | |
|------------|----------|
| UNSPSC | 41113708 |
| ETIM Class | EC001506 |
| IGCC | 6341 |

Commerce

| | |
|-----------------------|---------------|
| Effective date | 2016-04-12 |
| Country of origin | IT |
| Discount Policy | 1EE10 |
| Discount Policy Label | ENERGY METERS |

ETIM - Electrical characteristics

| | |
|-------------------------------|---------------------------------|
| Nominal current (In) [A] | 40 |
| Max. current (Imax) [A] | 40 |
| Nominal voltage (Un) N-L [V] | 184..276 |
| Frequency [Hz] | 50..60 |
| Accuracy class | B |
| Pole type | Single phase |
| Energy type | Effective power and blind power |
| Suitable for | Purchase/supply |
| Tariff type | Two-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 | 1 |
| With lock code | No |
| Degree of protection (IP) | IP20 |

ETIM - Technical features

| | |
|--------------------|--------------------|
| Type of meter | Electronic |
| Model | Direct measurement |
| Approval | Domestic |
| Type of indication | Digital |
| Type of interface | Modbus |
| EEC40 signature | No |

Logistics

| | |
|----------|---------------|
| GTIN/EAN | 3596032942342 |
|----------|---------------|

| | |
|----------------------------------|---------------|
| Customs number | 9028301100 |
| Price unit | PC |
| Weight of the packing unit | 0.11 |
| Length of the packing unit | 0.11 |
| Width of the packing unit | 0.09 |
| Depth of the packing unit | 0.03 |
| Norms | |
| Conformity to standards | IEC |
| Technical Characteristics | |
| Application | Metering |
| Communication protocols | MODBUS |
| Model | E03 |
| Type | 1PH up to 40A |