48503055

Energy Meter COUNTIS E28 3PH 80A, MID Ethernet Modbus

COUNTIS E is a range of modular electrical energy meters that provide an overview of energy consumed and produced, and also display power information and other measurements directly on the backlit LCD. COUNTIS E meters have native Ethernet communication capability and are fully integrated into the SOCOMEC monitoring ecosystem including Webview, screens, gateways and configuration software.

Strong points

- Ethernet communication with embedded webserver
- MID certification
- Multi-tariff
- Complete ecosystem for easy integration

General characteristics

- 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://emea.socomec.com/en/reference/48503055

Classification

UNSPSC	41113708
ETIM Class	EC001506
IGCC	6341

Commerce

Description	Modular active energy meters COUNTIS E18 MID-certified Three phase - direct 80A, meter have native Ethernet communication capability, fully integrated in SOCOMEC ecosystem including: Webview/screens/gateways/configuration software
Effective date	2016-04-12
Offer Life Cycle Code	40
Country of origin	IT

Environmental impact

Carbon footprint - Lifecycle total [kg CO_2 eq.]	Input string was not in a correct format.
Carbon footprint - Manufacturing [A1-A3] [kg CO_2 eq.]	17
Use scenario	10 years / European mix

ETIM - Electrical characteristics

Nominal current (In) [A]	80
Max. current (Imax) [A]	80
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 reactive 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 adaptor)
Width in number of modular spacings	4
With lock code	No
Degree of protection (IP)	IP20

ETIM - Technical features

Type of meter	Electronic
Model	Direct measurement
Approval	Measuring Instruments Directive
Type of indication	Digital
Type of interface	Other
EEC40 signature	No

Logistics

GTIN/EAN	3596032942502
Customs number	9028301900
Price unit	PC
Weight of the packing unit [kg]	0.58
Length of the packing unit [m]	0.11
Width of the packing unit [m]	0.12
Depth of the packing unit [m]	0.094

Norms

Conformity to standards	IEC

Technical Characteristics

Application	Metering
Communication ports	Ethernet
Model	E28
Type	3PH up to 80A, MID