48505004

Energy Meter COUNTIS P04 Single phase 1PH 45A Modbus MID



COUNTIS P0x are single-phase modular electrical energy meters that enable viewing of the different energies consumed and produced, and also of powers and other measurements directly on the backlit LCD display. They enable direct connection up to 45 A and are suitable for use in sub-billing applications thanks to their MID certification.

Strong points

- Compact design
- MID certification
- Wide temperature range
- Complete ecosystem for easy integration
- Multi-interfaces

Compliance with standards

- IEC 62053-21
- IEC 62053-23
- IEC 62053-31
- IEC 62052-11
- IEC 61010-1
- EN 50470-1
- EN 50470-3

Link to the reference

https://emea.socomec.com/en/reference/48505004

Classification

UNSPSC	41113708
ETIM Class	EC001506
IGCC	6341

Commerce

Description	Modular active-energy meters COUNTIS P04 MID-certified Single phase - direct 45A, MODBUS type of electrical protocols, fully integrated in SOCOMEC ecosystem including: Webview/screens/gateways/configuration software
Effective date	2025-01-01
Offer Life Cycle Code	40
Country of origin	CN
Former product list	48C03018 | COUNTIS M03 1PH 45A MODBUS 48C03104 | COUNTIS M04 1P 45A MODBUS MID

Environmental Sustainability

Climate change - Total - Cradle to Grave [kg CO_2 eq.]	22
Climate change - Total - Cradle to Gate [kg CO_2 eq.]	10
SVHC > 0.1 mass percentage?	No
RoHS applicable?	Yes

ETIM - Electrical characteristics

Nominal current (In) [A]	45
Max. current (Imax) [A]	45
Nominal voltage (Un) N-L [V]	184..276
Nominal voltage (Un) L-L [V]	320..480
Frequency [Hz]	45..55
Power consumption [W]	1
Accuracy class	B
Pole type	Single phase
Energy type	Effective power and reactive power
Suitable for	Purchase/supply
Tariff type	Multi-tariff
Tariff control	External
Measurement type load profile	No
Calibrated	Yes
Pulse output	Electrical
Pulse type	D0
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	1
Width [mm]	18
Depth [mm]	68
Height [mm]	118
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	Modbus
EEC40 signature	No

Logistics

GTIN/EAN	3596033319419
Customs number	9028301100
Price unit	PC
Weight of the packing unit [kg]	0.124
Length of the packing unit [m]	0.04
Width of the packing unit [m]	0.1
Depth of the packing unit [m]	0.07

Technical Characteristics

Height [mm]	118
Width [mm]	18
Depth [mm]	68
Application	Metering
Communication protocols	MODBUS
Model	P04
Type	1PH 45A, MID