

**48505014**

## Single-phase MID energy meter, up to 100A via direct connection, Modbus protocol



### 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

### Access to resources (ex: manuals)

COUNTIS P1x 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 100 A and are suitable for use in sub-billing applications thanks to their MID certification.

### Technical Characteristics

Application	Metering
Communication protocols	MODBUS
Model	P14
Type	1PH 100A, MID

### Classification

UNSPSC	41113708
ETIM Class	EC001506

### Commerce

Description	COUNTIS P14 is a single-phase modular electrical energy meter that enables viewing of the different energies consumed and produced, and also of powers and other measurements directly on the backlit LCD display.
Effective date	2025-01-01
Offer Life Cycle Code	40
Country of origin	CN
Former product list	48C03019   COUNTIS M13 1PH 100A MODBUS

### Environmental Sustainability

PEP Filename	SOCO-00114-V01.01-EN.pdf
Climate change - Total - Cradle to Grave [kg CO <sub>2</sub> eq.]	15
Climate change - Total - Cradle to Gate [kg CO <sub>2</sub> eq.]	7

### ETIM - Electrical characteristics

Nominal current (In) [A]	100
Max. current (Imax) [A]	100
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 blind power
Suitable for	Purchase/supply
Tariff type	Multi-tariff
Tariff control	External
Measurement type load profile	No
Calibrated	Yes
Pulse output	Optical
Pulse type	D0
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	2
Width [mm]	36
Depth [mm]	68
Height [mm]	100
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	3596033319433
Customs number	9028301100