

48505004

Socomec Countis P04 Single Phase Direct Connect Energy Meter 45A RS485 Pulse Single DIN



ENERGY METERS

socomec
Innovative Power Solutions



Component type	Kilowatt-hour meter
Range	Countis P
Model	N/A
Product status	Existing

The Socomec Countis P energy meter range delivers versatile and compact solutions, from direct-connect single-phase models to high-accuracy three-phase CT-connected meters. All models support bidirectional energy monitoring and Modbus RS485 communication, making them ideal for applications such as onsite renewables and EV charger monitoring.

ELECTRICAL

Pole type	Single phase
Nominal current (In)	45 A
Max. current (Imax)	45 A
Nominal voltage (Un) N-L	230-230 V
Frequency	50-60 Hz
Supply voltage	184-276 V
Type of electric connection	Screw connection
Accuracy class	B
Tariff type	Multi-tariff
Tariff control	External
Measurement type load profile	No
Calibrated	Yes
Power consumption	3 W
Energy type	Effective power and blind power

COMMUNICATION

Type of interface	Modbus
Pulse output	Optic
Pulse type	S0
With lock code	Yes

CONSTRUCTION

Model	Direct measurement
Type of meter	Electronic
Suitable for	Purchase/supply
Type of indication	Digital
Mounting method	DRA (DIN-rail adapter)
Degree of protection (IP), front side	IP51
EEC40 signature	No
IP rating	IP20

48505004

Socomec Countis P04 Single Phase Direct Connect Energy
Meter 45A RS485 Pulse Single DIN



ENERGY METERS

socomec
Innovative Power Solutions

MECHANICAL	Escapement mechanism	No
	Width	18 mm
	Depth	68 mm
	Height	118 mm
	Width in number of modular spacings	1
DIMENSIONS		
ENVIRONMENT	Operating temperature	-40...70 °C
CERTIFICATES/APPROVALS	Approval	Measuring Instruments Directive

48505004

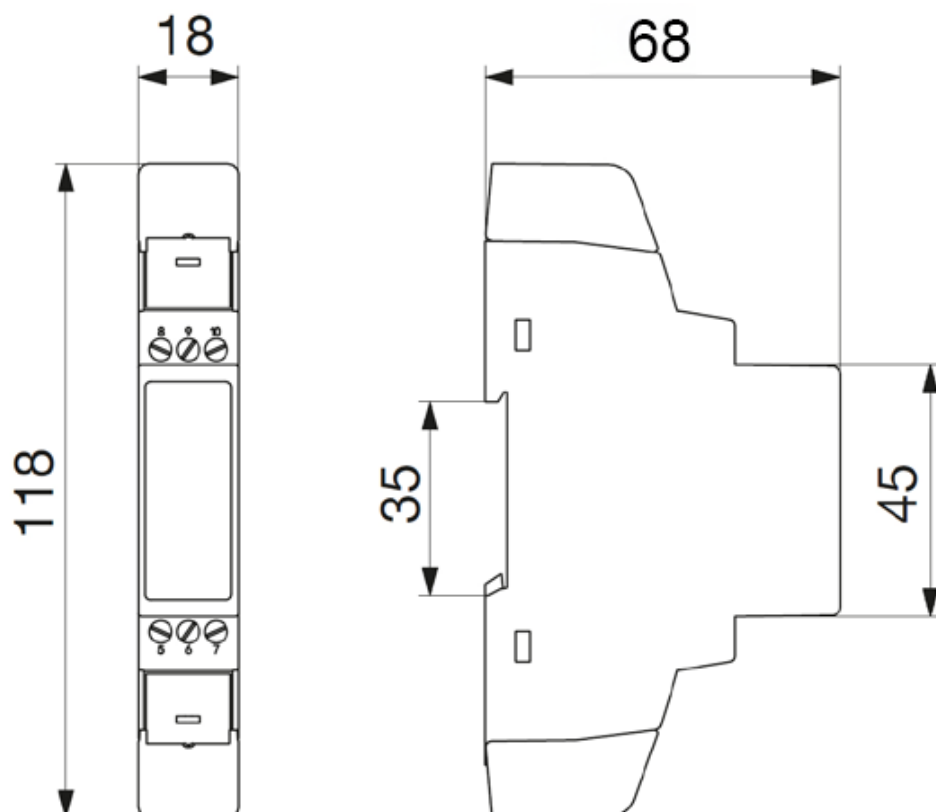
Socomec Countis P04 Single Phase Direct Connect Energy
Meter 45A RS485 Pulse Single DIN



ENERGY METERS

socomec
Innovative Power Solutions

DIMENSIONAL DIAGRAM



(mm)

48505004

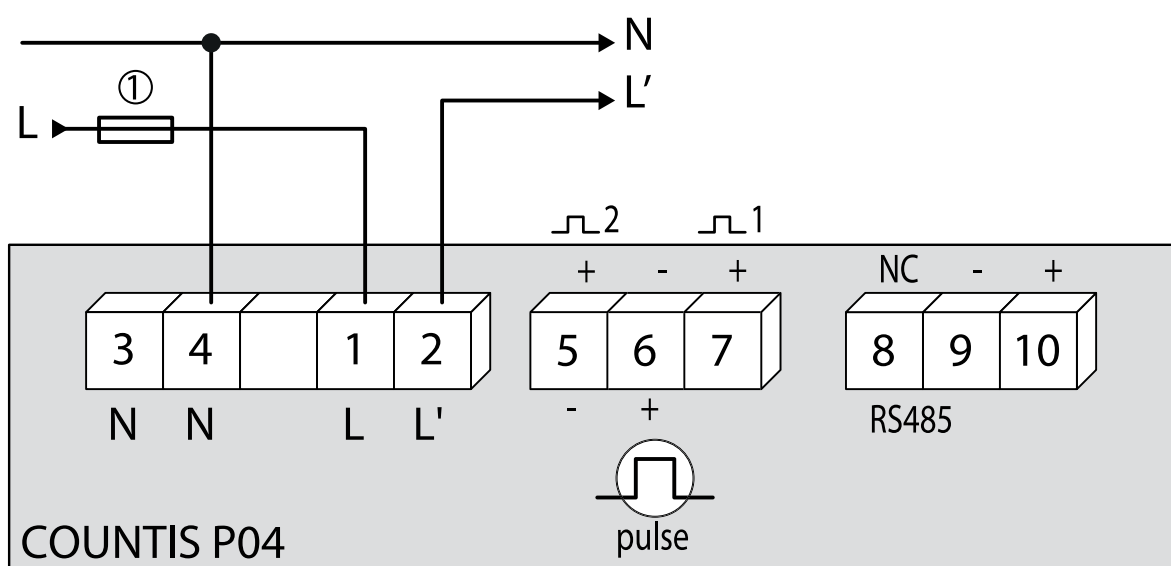
Socomec Countis P04 Single Phase Direct Connect Energy
Meter 45A RS485 Pulse Single DIN



ENERGY METERS

socomec
Innovative Power Solutions

ELECTRICAL CONNECTION DIAGRAM



1. 45 A gG / 45 A class CC fuses.