

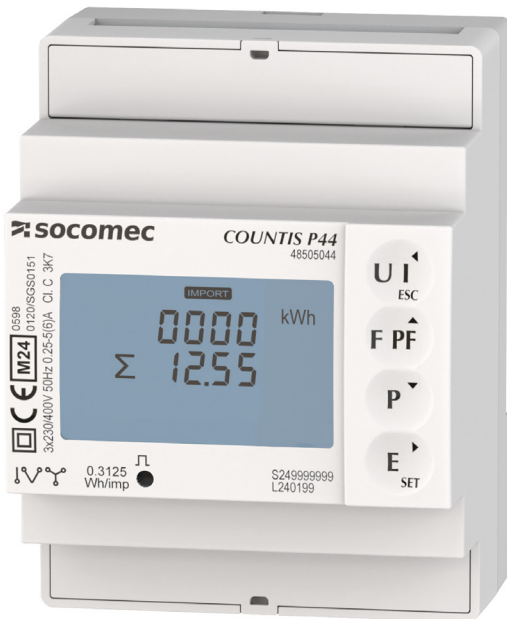
# 48505044

Socomec Countis P44 Three Phase CT Connect Energy Meter  
5A CT RS485



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                     | Three conductor/four conductor  |
| Nominal current (In)          | 5 A                             |
| Max. current (Imax)           | 6 A                             |
| Nominal voltage (Un) N-L      | 230-230 V                       |
| Nominal voltage (Un) L-L      | 400-400 V                       |
| Frequency                     | 50-60 Hz                        |
| Supply voltage                | 100-277 V                       |
| Type of electric connection   | Screw connection                |
| Accuracy class                | C                               |
| 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                                 | Measurement transformer |
| 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                      |

# 48505044

Socomec Countis P44 Three Phase CT Connect Energy Meter  
5A CT RS485



ENERGY METERS

**socomec**  
Innovative Power Solutions

|                               |                                     |                                 |
|-------------------------------|-------------------------------------|---------------------------------|
| <b>CONSTRUCTION</b>           | IP rating                           | IP20                            |
| <b>MECHANICAL</b>             | Escapement mechanism                | No                              |
| <b>DIMENSIONS</b>             | Width                               | 72 mm                           |
|                               | Depth                               | 65 mm                           |
|                               | Height                              | 94.5 mm                         |
|                               | Width in number of modular spacings | 4                               |
| <b>ENVIRONMENT</b>            | Operating temperature               | -40...70 °C                     |
| <b>CERTIFICATES/APPROVALS</b> | Approval                            | Measuring Instruments Directive |

**48505044**

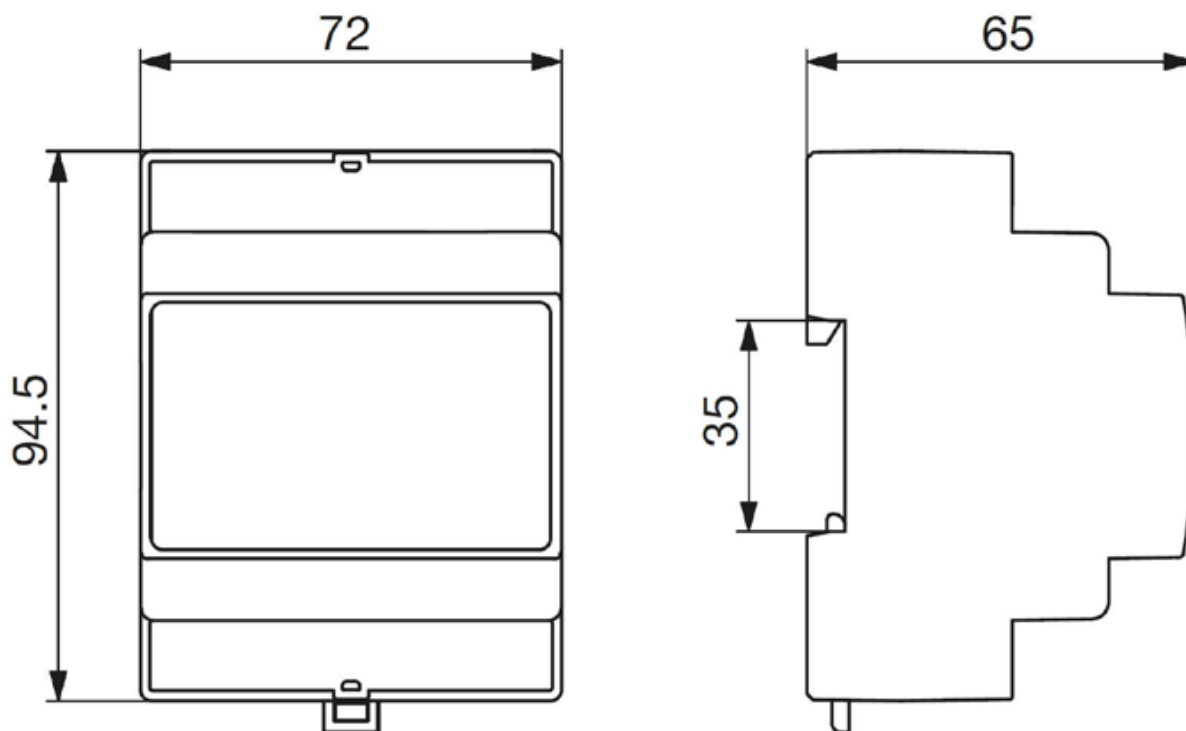
Socomec Countis P44 Three Phase CT Connect Energy Meter  
5A CT RS485



ENERGY METERS

**socomec**  
Innovative Power Solutions

## DIMENSIONAL DIAGRAM



(mm)

48505044

Socomec Countis P44 Three Phase CT Connect Energy Meter  
5A CT RS485

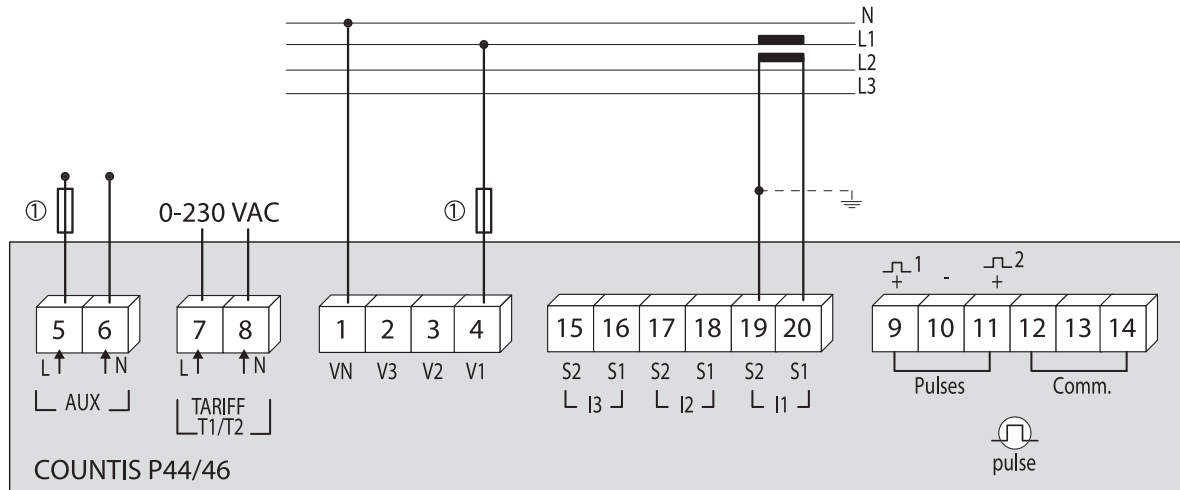


ENERGY METERS

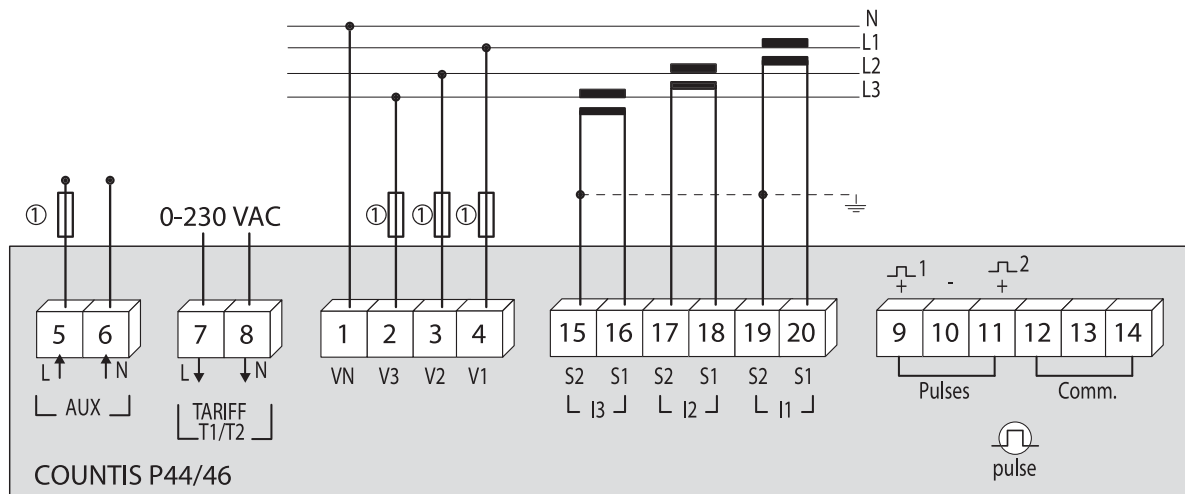
**socomec**  
Innovative Power Solutions

## ELECTRICAL CONNECTION DIAGRAM

### Single-phase, 2-wire with 1 CT (1P+N)



### Three-phase, 4-wires with 3 CTs (3P+N)



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

