



553142A

# COUNTIS P44-2QCT

# COUNTIS P44-4QCT



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## HAZARDS AND WARNINGS

The term “device” used in the paragraphs below refers to the COUNTIS P44-2QCT / COUNTIS P44-4QCT.

The assembly, use, servicing and maintenance of this equipment must only be carried out by trained, qualified professionals.

Failure to follow the procedures given in these instructions does not imply liability on the part of the manufacturer.

This safety warning sheet does not contain all of the safety measures for the operation of the equipment (module, device), because special operating conditions, local code requirements or regulations may necessitate further measures. However, it does contain information which must be read for your personal safety and to avoid material damages.

This information is highlighted by a warning triangle and is represented as follows, depending on the degree of potential danger.



### WARNING!

This means that failure to observe the instruction can result in death, serious injury or considerable material damage.



### CAUTION!

This means hazard of electric shock and failure to take the necessary safety precautions will result in death, serious injury or considerable material damage.

## RISK OF ELECTROCUTION, BURNS OR EXPLOSION

- This device must only be installed and serviced by qualified personnel who have in-depth knowledge of installing, commissioning and operating the device and who have had appropriate training. He or she should have read and understood the various safety measures and warnings stated in the instructions.
- Before carrying out any work on the device, switch off the voltage inputs.
- Always use an appropriate voltage detection device to confirm the absence of voltage.
- Replace all devices, doors and covers before turning on power to this equipment.
- Always power the device with the correct rated voltage.
- Install the device following the recommended installation instructions and in a suitable electrical cabinet.
- Use only insulating tools.
- Install and use the meter only in a dry, indoor environment.
- Do not mount the meter in an explosive area or expose the meter to dust, mildew and insects.
- Make sure the used wires are suitable for the maximum current of this meter.
- Make sure the AC wires are connected correctly before applying current/voltage to the meter.
- Do not touch the meter connecting clamps directly with your bare hands, with metal, blank wire or other material as you may get an electrical shock.



Failure to comply with the instructions of the device and this safety information can cause bodily injury, electric shock, burns, death or damage to property.

## RISK OF DAMAGE TO THE DEVICE

To ensure that the device operates correctly, make sure that:

- The device is correctly installed.
- There is a maximum voltage at the voltage input terminals of 276 VAC phase-neutral.
- The network frequency indicated on the device is observed: 50 or 60 Hz.
- There is a maximum current at the current input terminals (I1, I2 and I3) of:
  - 192 A with QCT-C-25 current sensors
  - 300 A with QCT-C-35 current sensors
  - 756 A with QCT-C-45 current sensors
  - 1200 A with QCT-C-55 current sensors
- Make sure the protection cover is placed after installation.
- Never break the seals and open the front cover as this might influence the functionality of the meter, and will void any warranty.
- Do not drop, or allow physical impact to the meter as there are high precision components inside that may break.
- There is a maximum voltage at the auxiliary power supply terminals of 276 VAC phase-neutral.
- The maximum impact IK level is: IK06 (1 J).



Failure to respect these precautions could cause damage to the device.

## RESPONSIBILITY

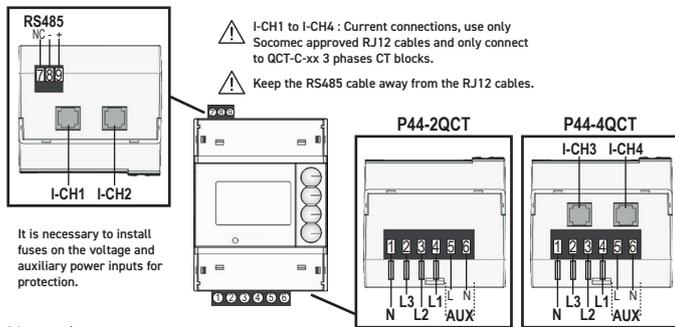
- Assembly, connection and use must be carried out in accordance with the installation standards currently in force.
- The device must be installed in accordance with the rules given in this manual.
- Failure to observe the rules for installing this device may compromise the device's intrinsic protection.
- The device must be positioned within an installation which complies with the standards currently in force.
- Any cable which needs to be replaced may only be replaced with a cable having the correct rating.

## PRELIMINARY OPERATIONS

To ensure the safety of staff and the equipment, it is vital to read and absorb the contents of these instructions thoroughly before commissioning.

Check the following points as soon as you receive the package containing the device:

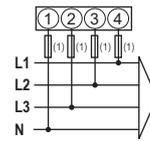
- The packaging is in good condition.
- The device has not been damaged during transportation.
- The device reference number conforms to your order.
- The package includes:
  - 1 device
  - 1 sealing kit (for COUNTIS P44-2QCT / COUNTIS P44-4QCT)
  - 1 Quick Start guide
  - 1 safety warning sheet (document réf. 551700)



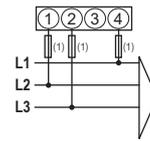
⚠ It is necessary to install fuses on the voltage and auxiliary power inputs for protection.

### Voltage connections / Spannungsanschlüsse/ Collegamenti di tensione / Connexions de tension/ Conexiones de voltaje

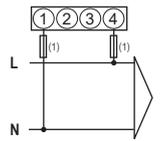
3.4.3



3.3.2

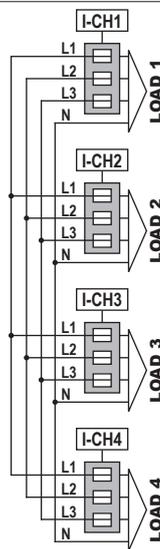


1.2.1

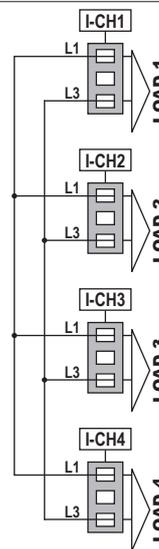


### Current connections / Stromanschlüsse/ Collegamenti di corrente / Connexions de courant/ Conexiones de corriente

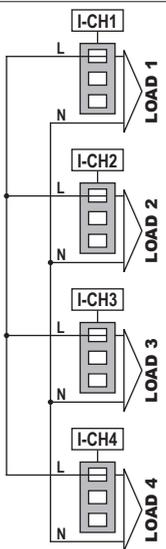
3.4.3



3.3.2

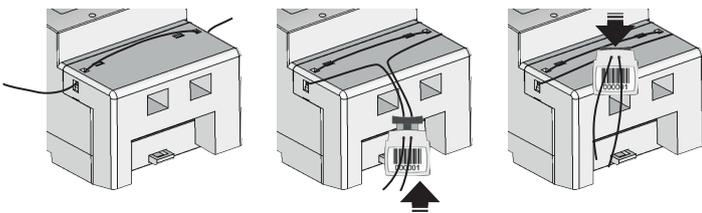


1.2.1



(1) 1 A fast blow fuse

⚠ For electrical safety, it's mandatory to install the terminal covers and connect RJ12 cable on the QCT-C sensors before switching on the voltage.



Please use this QR code to access the Quick Start guide.  
You will find all the information you need for a correct installation of the product.

COUNTIS P44-xQCT Resources

