



DANGER: LIVE PARTS ENCLOSED. Ensure the unit is installed by a qualified competent person in accordance with all relevant legislation and regulations including building regulations and wiring regulations BS7671. If in doubt, contact a qualified competent person.



IMPORTANT INFORMATION

Follow the instructions below before working on or inside the equipment.



- Turn off all power supplies
- Always use a calibrated volt-sensing device to confirm the power is off.
- Replace all devices, doors and covers before turning on the power to this equipment.
- To avoid ingress of swarf and similar material, always remove gland plates to allow cutting/slotting for cable entries.
- Do not use power screwdrivers on electrical connections.



Failure to follow these instructions could result in serious injury or death.

DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS

Fitting Instruction

Remove the incomer front plate and the gland plates from the bottom of the Distribution Boards and form the Horizontal Lighting & Power Metering Board.

Fit the unit below the Distribution and place the Short Joining Rails from inside the Distribution Board's enclosures and Long Joining Rail from inside of Horizontal Lighting & Power Metering Board.

Connect two enclosures using 8 off M5 x 16 mm bolts, washers and nuts as shown in Fig. 1.

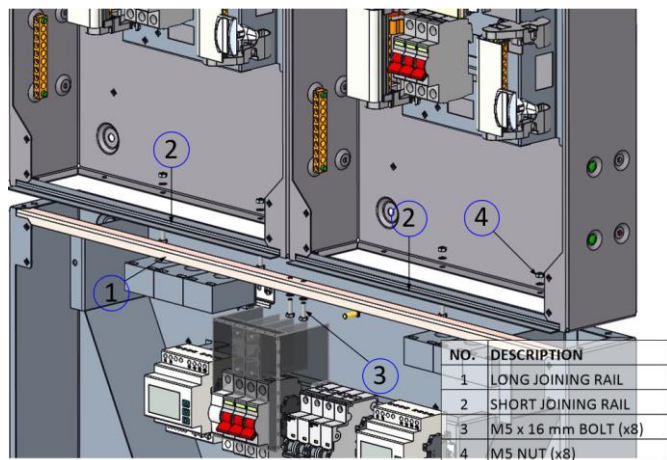


Fig. 1

Wiring Instruction

Connect the neutral cable (marked blue) to the Distribution Board neutral terminal clamp as shown in the Fig 2. If necessary, cut cables to length.

Fit heat shrink sleeve to cables for phase identification, then cut and strip insulation back 20 mm and re-crimp with ferrules provided.

Connect the phase cables (marked brown, black and grey) to the Distribution Board incomer following the cable colours/markings (see Fig 2).

Fully tighten terminal cages and cable clamps to torque as recommended in the Distribution Board instruction leaflet.

For meter wiring details refer to Fig 3.

Re-fitting Instruction

- Check the tightness of **all** connections, including factory made connections.
- Fit the bottom gland plate and
- Refit all front plates

Meter setup Instruction

7KT1661 – Standard meter. The current transformer ratio has been factory set to 125/5 A

7KT1662 – MID meter. The current transformer ratio has been factory set to 125/5 A and it cannot be changed.

NOTE!

Parts of the installation in which the meter kit is to be installed may remain live even when isolated. When working on unit SWITCH OFF the MCB.

Refer to meter manual to set up the meters. Follow the link below. (See page 42 to 66 and in the Manual).

Manual 7KT PAC1600 energy meter - Online Support



<https://support.industry.siemens.com/cs/document/109759827/manual-7kt-pac1600-energy-meter?dti=0&lc=en-GB>



Power wiring details

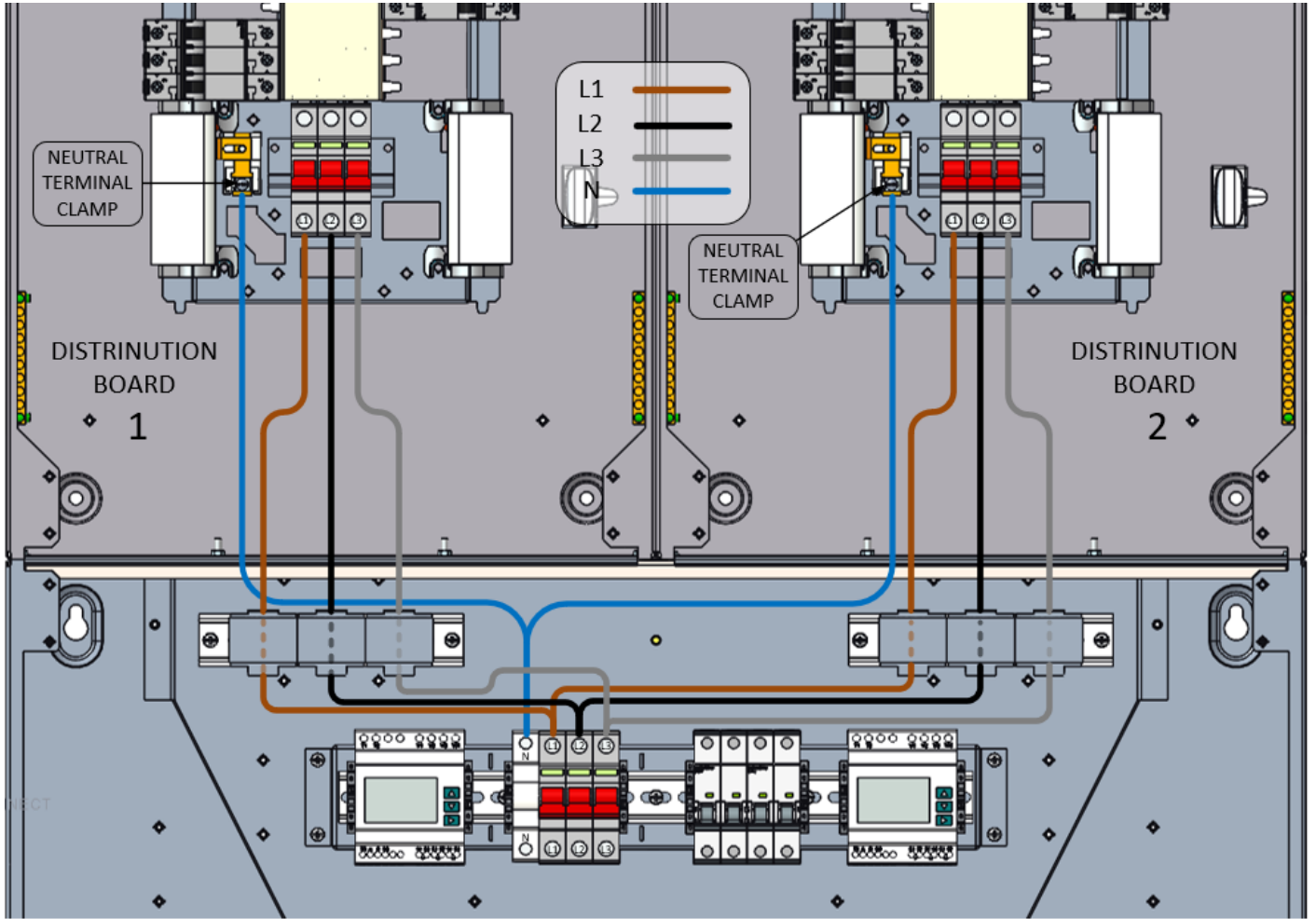


Fig. 2

Meter wiring detail

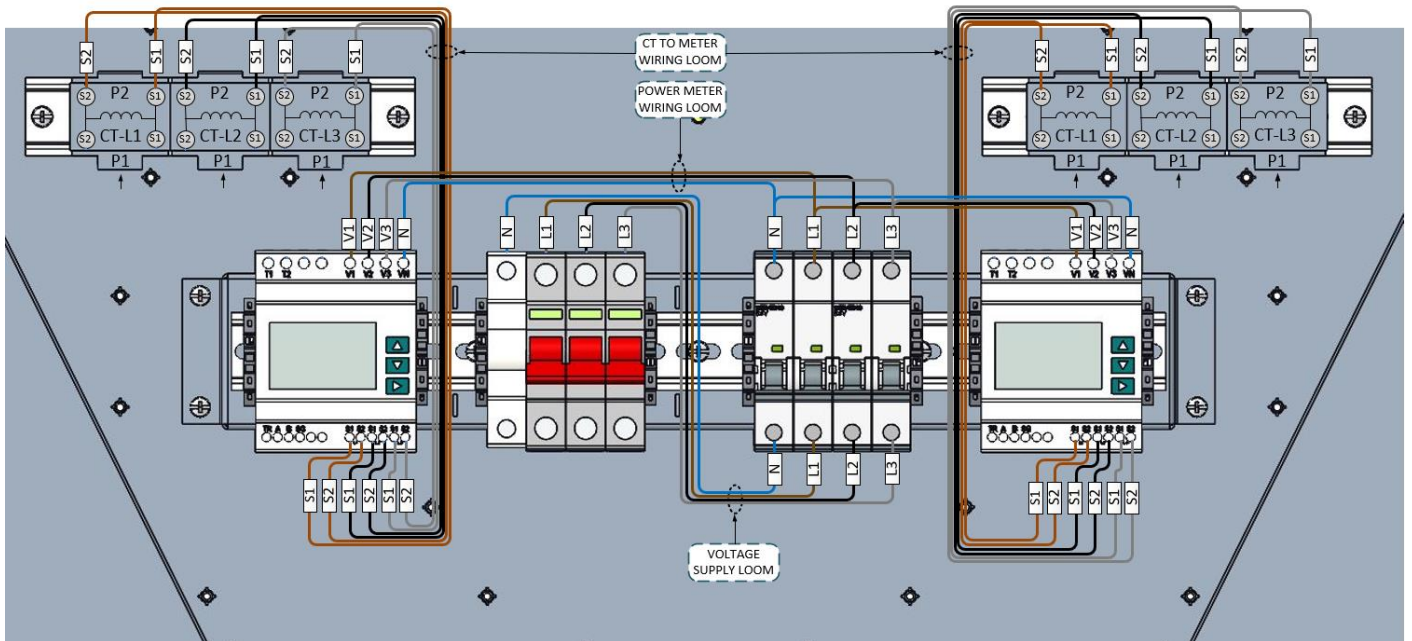


Fig. 3

