



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 BS 7671. 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 & Wiring Instruction

Remove the incomer front plate and the gland plates from the bottom of the distribution board.

Remove the knockout on the front plate to allow the meter to be mounted, ensure there are no sharp edges after removal.

Position and mount the meter as shown in Fig. 1.

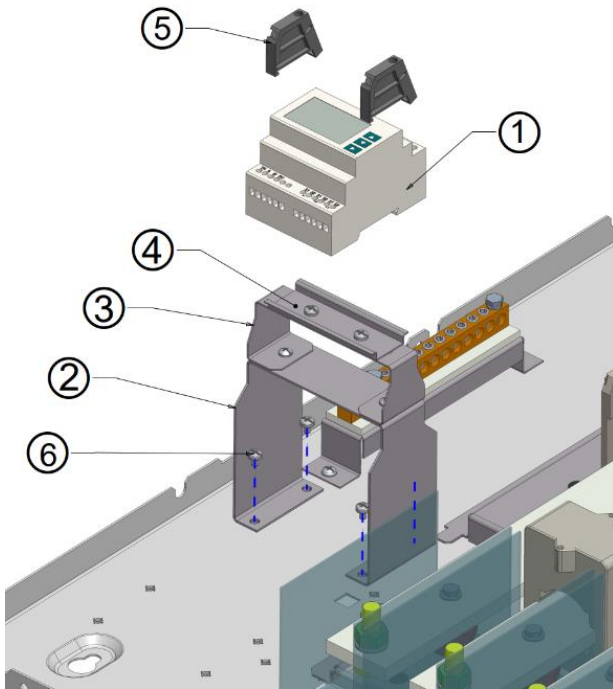


Fig. 1

No.	Description
1	Meter
2	Meter Bracket
3	Spacer Bracket
4	Din rail
5	Din end stops
6	Serrated No. 10 x 6 mm Pozi Screws

Once assembled, use 4 x No. 10 x 6 mm screws to attach the copper links mounting bracket to the back plate. Refer to Fig. 2 for details.

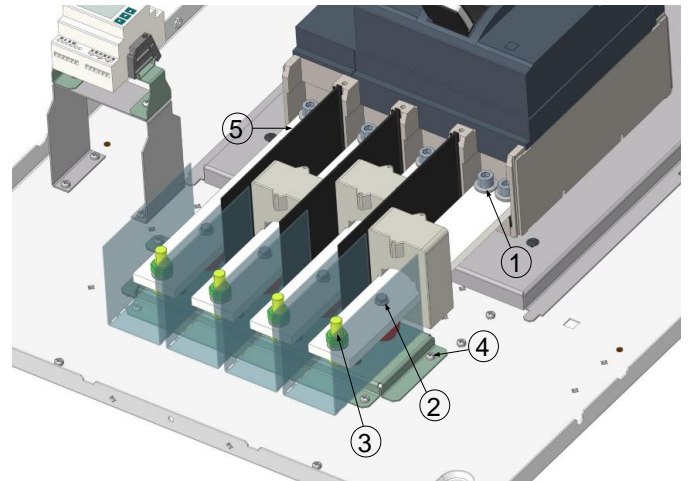


Fig. 2

No.	Description	Torque Setting
1	M10 x 30 mm Caphead Bolt and Washers	40 Nm
2	M6 x 16 mm Hex Bolt and Washer	10 Nm
3	M12 x 40 mm Hex Bolt, Washers	40 Nm
4	No. 10 x 6 mm Pozi Screw	N/A
5	3VW9724-0WA11 Phase barriers	N/A

When the mounting bracket is assembled and attached to the back plate, install the copper links to the incoming device.

Use the bolts provided to secure the coppers to the incoming device.

Tighten all the bolts to the correct values.

Insert the phase barriers 3VW9724-0WA11 into the incomer slots.

Wiring Instruction

Connect the meter to the MCB by referring to the wiring diagram in Fig. 3 and the instruction leaflet for the voltage supply loom kit. The supply voltage loom and 4P MCB are sold separately. The kit needed for the voltage supply is 8GP1802-0DA24.

Connect the meter to the CT, refer to Fig. 3 for wiring details. Use pads and cable ties to secure cable. Fully tighten terminal cages and cable clamps to be torqued as recommended.

If the cables are too long, cut the cable to length ensuring the cable markers remain on both ends of the cable.

**VOLTAGE SUPPLY LOOM SOLD SEPARATELY
CATALOGUE NO. 8GP1802-0DA24**

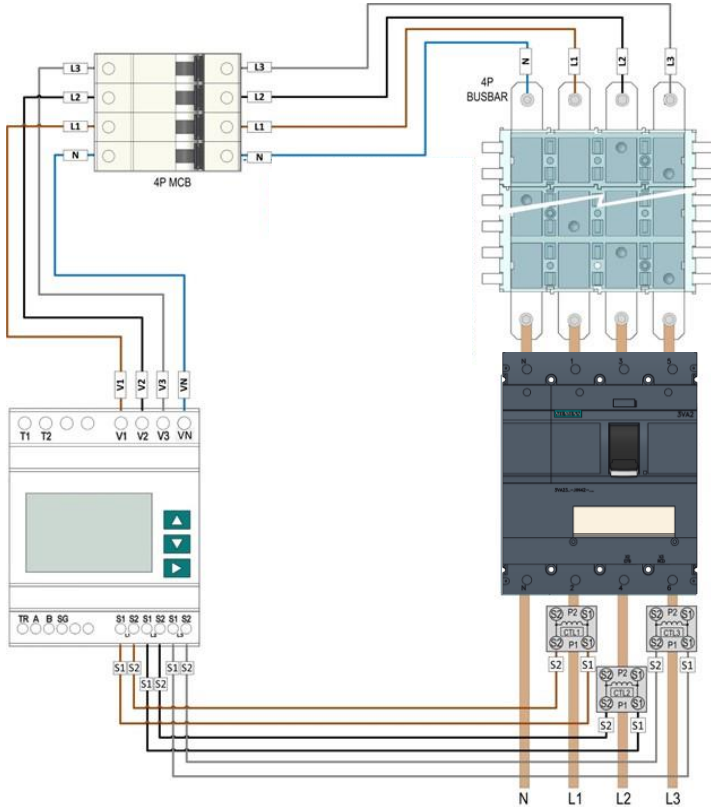


Fig. 3

Re-fitting Instruction

- Assemble and install the shroud by using 6 off 6.5 mm screws and 2 off push rivets. Refer to Fig. 4 for details.
- Ensure any protective film is removed from the polycarbonate shrouds and barriers.
- Refit the gland plate.
- Refit the shroud to the top of the busbars over the interconnections.
- **Before fitting the front cover, check the tightness of all connections, including factory-made connections.**
- Remove the appropriate knockout(s) in the cableway front plate and refit to box.

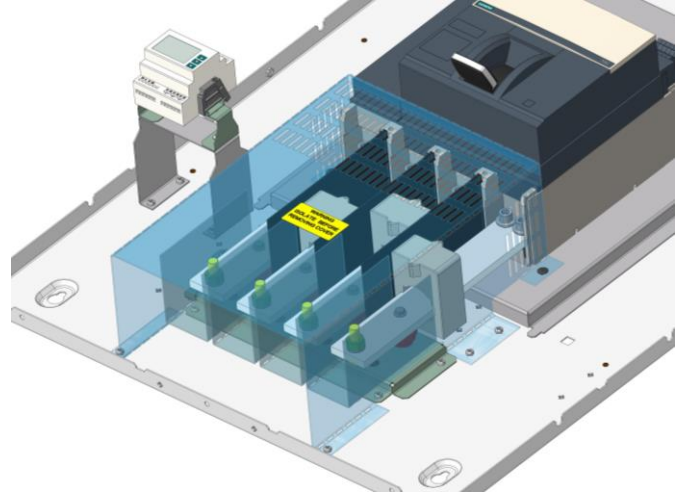


Fig. 4

Meter setup Instruction

- Refer to the meter manual to set up the meter to the correct ratio
(See pages 42 to 66 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>

SIEMENS

Siemens Electrical Products (EP), Sharston Road, Wythenshawe, Manchester, M22 4RA
E-Mail: sales.gbi.industry@siemens.com estimating.uk@siemens.com Tel: 08458 507600



Waste electrical products should not be disposed of with household waste.
Please recycle where waste disposal facilities exist.
Check with your retailer, wholesaler or local authority for recycling advice.