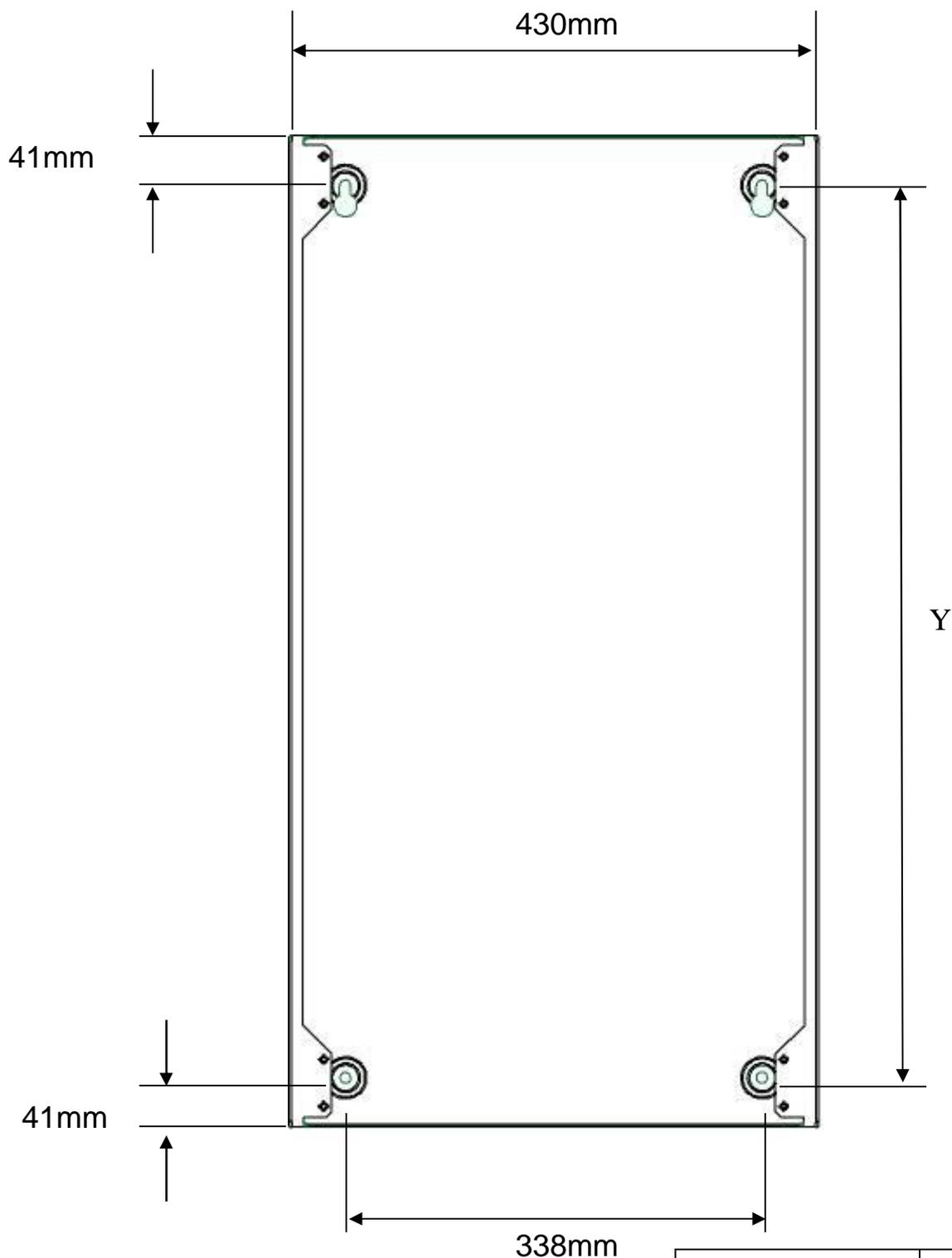


Fixing Centres



Unit	Y Dimension (mm)
8GP1204-2DA54	405
8GP1206-2DA54	486
8GP1208-2DA54	567
8GP1212-2DA54	729
8GP1216-2DA54	810
8GP1220-2DA54	916
8GP1224-2DA54	1053

SIEMENS

Electrium Sales Limited (A Siemens Company), Sharston Road,
Manchester M22 4RA, England
Tel: 0161 998 5454 Fax: 0161 945 1587



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.



SIEMENS

INSTALLATION INSTRUCTIONS

TP & N Distribution Boards 125A

Safety Note

“This unit should be 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”

Turn off all power supplying this equipment before commencing work on or inside the distribution board.

Test with appropriately rated test equipment to ensure power is off.

Replace all devices, blanks, doors and covers before turning the power on.

To avoid swarf and other foreign objects entering the enclosure always remove gland plates to cut cable / trunking entries.

Installation of Incoming Devices

The choice of incoming switch disconnecter is determined by the maximum rating of an outgoing MCB and the prospective fault level (PFL) at the point of installation.

Incomer	PFL up to 10kA 125A backup fuses	PFL 10 to 16kA 100A backup fuses	PFL 10 to 16kA 125A backup fuses
5TE1302-0DA, 5TE1402-0DA,	63A max MCBs	63A max MCBs	DO NOT USE
	80A max MCBs	80A max MCBs	80A max MCBs

Important – the terminal screws of all incoming devices should be fully opened before fitting.

DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS

DIN Mounted 3 Pole Switch Disconnecter 5TE1302-0DA & Direct Connection

- Ensure supply is switched off.
- Push the incomer up to the base of the busbar moulding.
- Make sure that the DIN clips locate on the half DIN rail on the base plate.
- Press and hold the incomer in place while tightening the connections to the busbar stubs.
- Connections should be tightened to the recommended torque for the device being fitted.

DIN Mounted 4 Pole Switch Disconnecter 5TE1402-0DA or RCD

- Ensure supply is switched off.
- Fix the DIN rail to the lower position using the fixing screws provided.
- Fix the Switch or RCD on to the DIN rail.
- Remove neutral link and box lug terminal from terminal bar and pan assembly.
- Use the 4-pole mounting kit (8GP1886-0DA10) to make connections from the Switch or RCD to the busbar and neutral bar.
- Connections should be tightened to the recommended torque for the device being fitted.

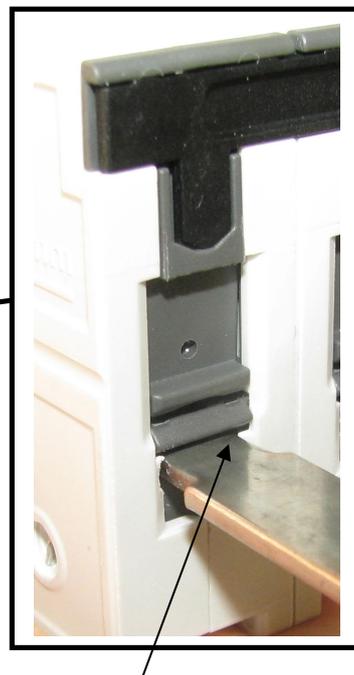
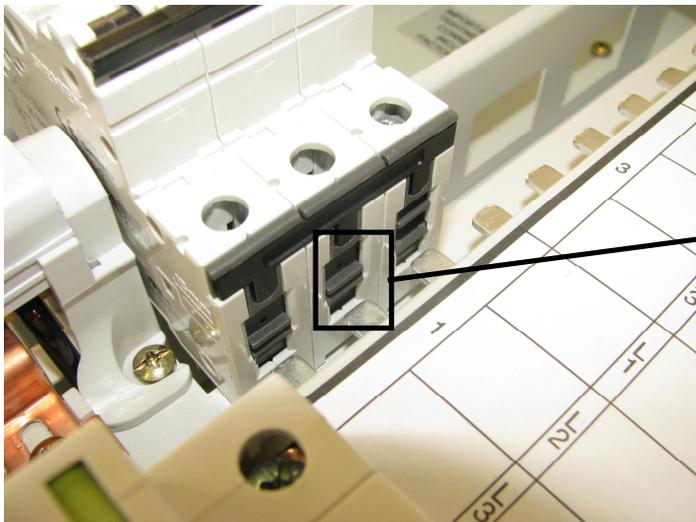
Outgoing way numbering

The outgoing ways must be identified. If the busbar assembly is not pre-numbered, then the installer must number the outgoing ways. Odd numbered ways on the left of the board way 1 being either at the top or bottom of the busbar assembly. Even numbered ways on the right of the board ascending in the same direction as the odd numbers. Way 1 must be opposite way 2, both either at the top or the bottom of the busbar assembly.

Note: - Neutral and Earth blank outgoing labels are provided.

Installation of MCBs

- Ensure supply is switched off.
- Only Siemens MCBs can be used in Siemens Distribution Boards.
- **Ensure that the MCB phase barriers are intact and are not damaged or removed** i.e. Terminal screws are fully shielded between phases.
- Fully slacken all MCB terminal screws.
- **Caution: The combined maximum load on two facing MCBs on a common cross Link (e.g. Way 1 + Way 2) must not exceed 100A.**
- Push MCB onto appropriate busbar outgoing way – In 3 phase boards make sure that the DIN clip faces towards the busbar assembly in the centre of the board
- Fully tighten busbar connections to the recommended torque marked on the MCB



Busbar connection into lower cage, ensure cage is fully lowered before attaching to busbar

Installation of RCBOs

- Ensure supply is switched off.
- Fully slacken all RCBO busbar terminal screws.
- Push RCBO onto appropriate busbar outgoing way making sure that the DIN clip faces towards the busbar assembly.
- Fully tighten busbar connections to the recommended torque on the RCBO
- Connect RCBO Neutral lead to appropriate numbered terminal on the neutral terminal bar.
- Ensure both live and neutral outgoing cables are terminated in the RCBO outgoing terminals.
- Connect white functional earth lead to appropriate terminal on earth terminal bar.

Device	Max. Cable Capacity	Recommended Tightening Torque
Main Switch/ RCD	50 mm ²	3 Nm – 3.5 Nm (26.6 lbf-in – 31 lbf-in)
MCB	25 mm ² / 35 mm ²	2.3 Nm (20 lbf-in)
RCBO	16 mm ²	2.0 Nm (18 lbf-in)
Earth & Neutral Terminals	25 mm ²	2.3 Nm (20 lbf-in)
Earth & Neutral main termination point	50 mm ²	2.5 Nm (22.1 lbf-in)
Removable Neutral link for isolation / test purpose	N/A	2.3 Nm (20 lbf-in)

Note

Before fitting the front cover, check the tightness of **all** connections, including factory made connections.

Fitting the Front Cover

Remove the appropriate rectangular knockout from the front cover.

3 pole 5TE1302-0DA switch or direct connect - remove small knockout (54 mm wide)

4 pole switch 5TE1402-0DA & RCD remove larger knockout (72 mm wide)

Fit blanks to all unused ways.

BLANKS	
Cat No.	Description
8GP1970-0DA11	Blanking Strip - 6 x (1 mod)
8GP1971-1DA11	Blanking Strip - 12 x (1 mod)
8GP1972-0DA12	Blanking Strip - 4 x (3 mod)
8GP1973-0DA15	Blanking Strip - 2 x (12 mod)
8GP1974-0DA11	1 MW MCB Profile Blank