



## matt E EVU-1-100-TP Three Phase Connection Unit Owner's Manual

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**matt E EVU-1-100-TP Three Phase Connection Unit**



## Specifications

- **Description:** Dedicated EV connection centre
- **Input Volts:** Nominal input voltage three-phase 400V 50Hz
- **Max Load:** 100 amps per phase
- **Cable Entry Facility:** Top and bottom
- **Terminal Capacity:** Supply, 50.0 mm<sup>2</sup>; Load, 50.0 mm<sup>2</sup>
- **Dimensions (H x W x D):** 550mm x 360mm x 140mm
- **Weight:** Approximately 10kg
- **Enclosure:** Mild Steel Powder Coated
- **Ingress Protection:** IP4X
- **Warranty:** 1 year limited warranty for faulty components

## Product Usage Instructions

### Installation

Ensure the power supply is switched off before installation. Connect the cables to the designated terminals based on the specified terminal capacity for supply and load.

### Cable Entry

Use the top or bottom cable entry facility to route the cables securely into the unit.

### Mounting

Mount the unit securely on a suitable surface using appropriate mounting hardware. Ensure the unit is stable and level.

### Powering Up

After installation, switch on the power supply and verify proper functioning of the unit before connecting the EV load.

## **Maintenance**

Regularly inspect the unit for any signs of damage or wear. Clean the unit as needed with a soft, dry cloth. Do not use abrasive cleaners.

## **Frequently Asked Questions (FAQ)**

### **Q: What is the warranty period for the EVU-1-100-TP unit?**

**A:** The unit comes with a 1-year limited warranty from the date of purchase, covering the replacement of faulty components only.

### **Q: What is the Ingress Protection rating of the unit?**

**A:** The EVU-1-100-TP has an IP4X rating, providing protection against solid objects larger than 1mm and no protection against liquids.

## **EVU-1-100-TP**

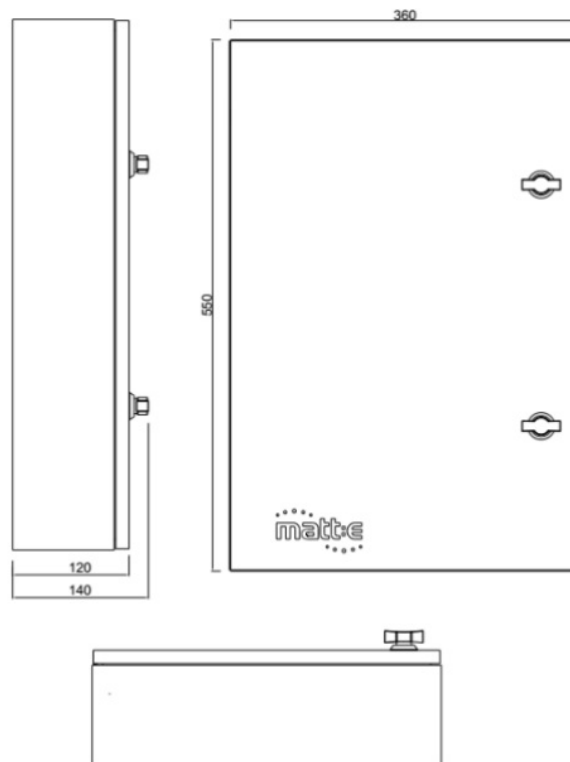
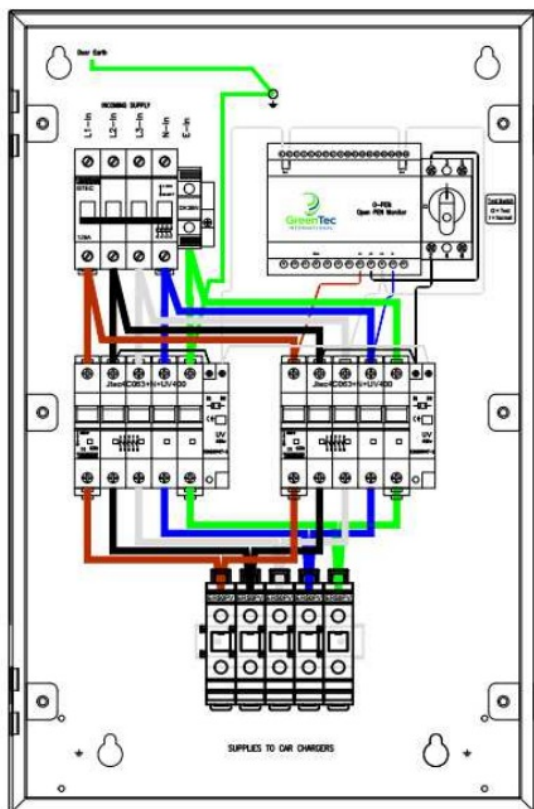
Three-phase connection unit suitable for 1 x 100amp TPN load

- The EVU-1-100-TP from matt:e is simple, single dedicated connection unit with built in O-PEN technology, that allows for the connection 1 x 100amp TPN load to the existing PME earthing facility.
- The unit incorporates a 5 pole isolator with built-in shunt trip which disconnects all poles including CPC in the event of a fault, manually resettable in line with BS: 7671, 2018 Amendment 1 2020 Regulation 722.411.4.1 (iii)
- The O-PEN technology does not require earth rods or measuring electrodes to function correctly

## **Product Features**

- Built in O-PEN technology
- Standard mild steel IP4X enclosure
- NO EARTH ELECTRODES REQUIRED
- Phase loss protection
- Built in 5 pole mains isolator with manually resettable shunt trip
- Standard 1 Year parts warranty
- Simple wire in wire out connection
- Suitable for 1 x 100amp TPN load
- Designed and Built in the UK

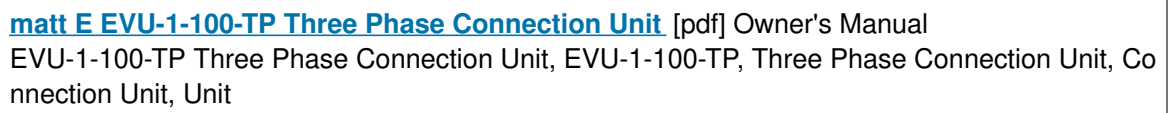
## **Dimensions and Specifications**



Description	Dedicated EV connection centre
Input Volts	Nominal input voltage three-phase 400V 50Hz
Max Load	100 amps per phase
Cable Entry Facility	Top and bottom
Terminal Capacity	Supply, 50.0 mm <sup>2</sup> Load, 50.0 mm <sup>2</sup>
Dimensions ( H x W x D )	550mm x 360mm x 140mm
Weight	Approximately 10kG
Enclosure	Mild Steel Powder Coated
Ingress Protection	IP4X
Warranty	The matt:e <i>EVU-1-100-TP</i> is guaranteed for a period of 1 year from the date of purchase. This warranty is limited to the replacement of faulty components only.

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## Documents / Resources



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