

PRODUCT ADVISORY NOTICE

This product must be installed by a **competent person** in compliance with the latest edition of the IET Wiring Regulations BS 7671 and all applicable Building Regulations.



This device has been designed and tested in full compliance with IET 01:2024 (Category M1a) and provides conformity with current PEN fault protection requirements for EV charging and associated installations.

Important Safety Information:

- Once installed, this device operates on a **live mains supply** (400V or higher) and features an **automatic reset function** following a complete power failure.
- Always **isolate or disconnect the power supply** to this device and any equipment connected to it before carrying out any maintenance or modifications.

Failure to follow these instructions may result in serious injury or damage.

Installation Instructions

Electrical Connections

Connect the **supply** (L1, L2, L3, N,) to the main isolator at the top of the enclosure.
Connect the protective earth to the earth terminal located adjacent to the main earth terminal.
Connect the **load** cables to the RCBO or MCBs at the bottom of the enclosure.
Connect the load protective earth to the green isolated earth block.

Torque Settings

Ensure all connections are securely tightened to the recommended torque setting of **3.5 Nm**.

Please note, always use a 3 core or 5 core cable for the load to avoid fortuitous earth paths when using SWA, if in doubt ask.

Safety Advice

The unit must be installed in a dry ventilated location; it must never be covered or have restricted ventilation.

For any information not contained within this document, please contact our technical support team on 01543 227290 or info@matt-e.co.uk.

Operation Instructions

Startup

When the supply voltage is switched on, the device will monitor the incoming supply for approximately 20s to ensure it is within the specified range (207V ~ 262.2V), as defined in IET 01:2024 M1a. During this period the device will not be able to be switch on.

Once all is confirmed to be stable and within range, the device will energise and connect the load.

Fault Detection

If the device detects a fault condition, either high or low line voltage or via the MCB functions, the device will disconnect the Line, Neutral, and Protective Earth conductors from the load.

Manual Reset

After a detected fault condition, the device will not automatically reset. To reset the device simply turn the MCB back to the on position. The device will only reset if it is safe to do so.

Auto Reset

In the event of a complete power failure (voltage below 50V) and once power is restored and remains within the specified parameters for a continuous period of 20 seconds. the device will automatically reset and reconnect the load.

Testing Procedure

The device is equipped with a manual test button labelled Test/Normal.

To initiate the test slide the test switch to the Test position. The device will simulate a fault condition and isolate the supply to the load and prove functionality of the auto reset function.

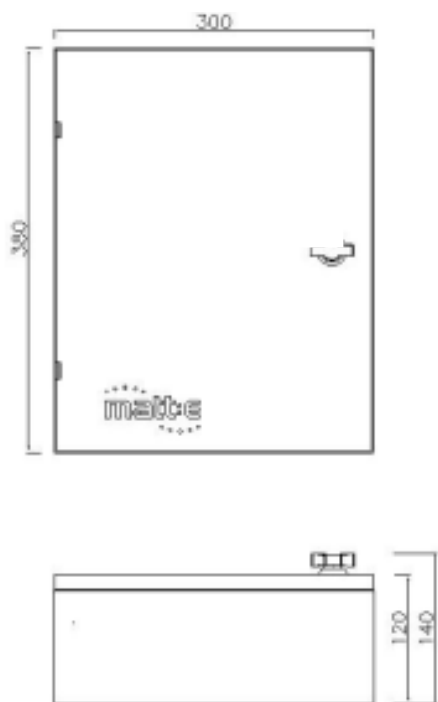
Once the test is complete, slide the test switch back to the Normal position. Failure to do this will not impair the devices ability to isolate the load if a fault is detected. However it will not auto reset after a power failure.

Maintenance Recommendation

matt:e recommends performing this test every 6 months to ensure operation.

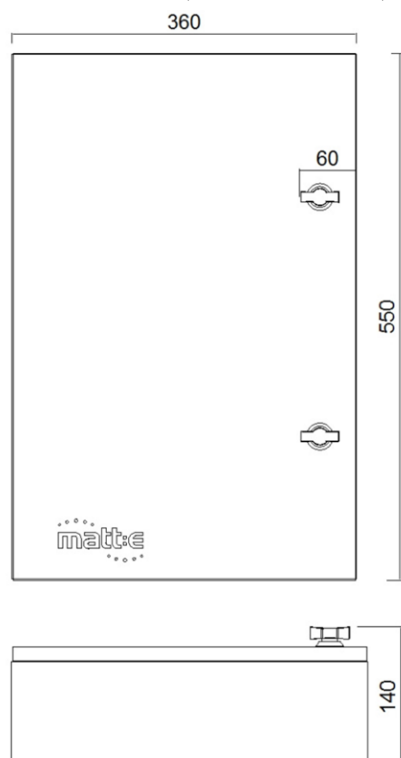
Dimensions

MTE1-22-M, MTE1-22-R, MTE-3-7.4-M, MTE-3-7.4-R, MTE-63A, MTE-63-R



Model shown, MTE-1-22-M

MTE-2-22-M, MTE-2-22-R, MTE-6-7.4-M, MTE-6-7.4-R



Model shown, MTE-2-22-R

Description	Electric Vehicle Charger Connection Unit
Input (Volts)	Nominal input voltage 400v, 50Hz, 3 Phase AC
Max Load	63A (Check specific model)
Weight	Approximately 10 kg
Operating Temp	-5°C to +40°C
Enclosure	Mild Steel Powder Coated
Ingress Protection	IP41
Document Revision	V1.10 Feb 2026

Terminal Capacities	<u>Min</u>	<u>Max</u>
Incoming Isolator cable size & tightening torque	2.5 mm ² 1.5Nm	25.0mm ² 2Nm
Outgoing MCB cable size & tightening torque	2.5 mm ² 1.5Nm	25.0mm ² 2Nm
Outgoing RCBO cable size & tightening torque	2.5 mm ² 1.5Nm	25.0mm ² 2Nm

Warranty

The MTE connection centres are guaranteed for a period of 1 year from the date of manufacture.

This warranty is limited to the replacement of faulty components only.

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