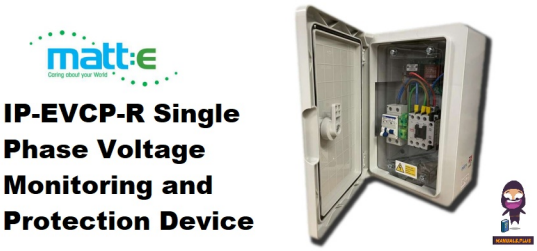

matt E IP-EVCP-R Single Phase Voltage Monitoring and Protection Device Instructions

Contents

matt E IP-EVCP-R Single Phase Voltage Monitoring and Protection Device

Specifications

- **Description** Single-phase Voltage Monitoring and Protection Unit
- **Max Load** 32 amps
- **Terminal Capacity**
  - **In**
    - L/N: 2.5mm2 -25mm2
    - E: 2.5mm2 —16mm2
  - **Out**
    - L/N 2.5mm2 – 10mm2
    - E: 2.5mm2 – 10mm2
- **Dimensions (H x W x D)** 300mm x 200mm x 129mm
- **Weight** Approximately 3kG
- **Enclosure** ABS-HB Flame Retardant Plastic
- **Ingress Protection** IP65

Product Usage Instructions

Installation:

1. Ensure power is turned off before installation.
2. Mount the IP-EVCP-R in a suitable location, ensuring proper ventilation.
3. Connect the load terminals as per the specified wire sizes mentioned in the manual.
4. Connect the EV charge point to the unit following the manufacturer’s instructions.

Voltage Monitoring and Protection:

- The device monitors voltage levels and protects in case of abnormalities. It is designed to safeguard against overvoltage or undervoltage situations.

PEN Fault Protection:

- The built-in PEN fault protection ensures safe connection to the PME earthing facility without requiring earth electrodes, aiding compliance with regulations.

Load Curtailment Functionality:

- This unit can curtail load in line with regulations, isolating the charge point if house consumption exceeds a pre-set limit and restoring power once consumption falls back to normal levels.
- The matt:e IP-EVCP connection centers provide a simple-to-install dedicated EV connection center, with unique built-in PEN fault protection, that allows for the connection of EV charge points to the PME earthing facility without the use of earth electrodes. Helping to facilitate compliance with BS:7671. 2018 Amendment 1, 2020 Regulation 722.411.4.1. (iv).
- The units are available with the additional functionality for load curtailment in line with Regulation 722.311.201, isolating the charge point from the supply once the house consumption rises above the pre-set limit and automatically restores the power to the charge point when the load falls back within a satisfactory level.

Product Features and Benefits

- Built-in matt:e technology
- NO EARTH ELECTRODES REQUIRED
- Helps reduce disruptive and costly groundwork
- Removes the risk of striking buried services
- Simple wire-in-wire-in-wire-out connection
- Optional Load management with hard-wired CT
- Built in Type A RCBO
- Suitable for connection directly to tails
- Mild steel IP65enclosure
- Standard 3 Year parts warranty

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FAQs

Q: Can the IP-EVCP-R be used for three-phase systems?
A: No, this unit is designed for single-phase systems only.

Q: Is professional installation required?

A: It is recommended to have the device installed by a qualified electrician to ensure proper setup and compliance with regulations.

Documents / Resources

	matt E IP-EVCP-R Single Phase Voltage Monitoring and Protection Device [pdf] Instructions IP-EVCP-R, IP-EVCP-R Single Phase Voltage Monitoring and Protection Device, Single Phase Voltage Monitoring and Protection Device, Voltage Monitoring and Protection Device, Monitoring and Protection Device, Protection Device, Device

References

- matt-e.co.uk
- User Manual