


SP-EVCP-TC
Single Phase
Voltage
Monitoring and
Protection Unit



matt E SP-EVCP-TC Single Phase Voltage Monitoring and Protection Unit Instructions

[Home](#) » [matt e](#) » **matt E SP-EVCP-TC Single Phase Voltage Monitoring and Protection Unit Instructions** 

Contents

- [1 matt E SP-EVCP-TC Single Phase Voltage Monitoring and Protection Unit](#)
- [2 Product Usage Instructions](#)
- [3 Single-phase Voltage Monitoring and protection device with built in current limiting](#)
- [4 Product Features](#)
- [5 Dimensions and Specifications](#)
- [6 FAQs](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)



matt E SP-EVCP-TC Single Phase Voltage Monitoring and Protection Unit



Specifications

- **Description:** Single-phase Voltage Monitoring and Protection Unit with built-in current limiting
- **Input Volts:** Nominal input voltage single-phase 230V 50Hz
- **Max Load:** 32 amps
- **Load Management:** Pre set at 60A, 80A, 100A
- **CT Cable Length:** 3m
- **Cable Entry Facility:** Bottom, 1 x 42mm, 2 x 25mm, 1 x 16mm
- **Terminal Capacity:** 6.0mm²
- **Dimensions (H x W x D):** 169mm x 182mm x 111mm
- **Weight:** Approximately 3kg
- **Enclosure:** Mild Steel Powder Coated
- **Ingress Protection:** IP2X
- **Warranty:** The matt:e SP-EVCP-TC is guaranteed for a period of 3 years from the date of purchase. This warranty is limited to the replacement of faulty components only.

Product Usage Instructions

- **Installation:**

Consult a qualified electrician to install the SP-EVCP-TC following the provided guidelines. Ensure proper cable entry and secure terminal connections.
- **Power Connection:**

Connect the unit to a single-phase power source with a nominal voltage of 230V and a frequency of 50Hz.
- **Load Management:**

Set the load management to the desired level (60A, 80A, or 100A) based on your requirements.
- **Maintenance:**

Regularly inspect the unit for any signs of damage or wear. Keep the enclosure clean and free from obstructions.

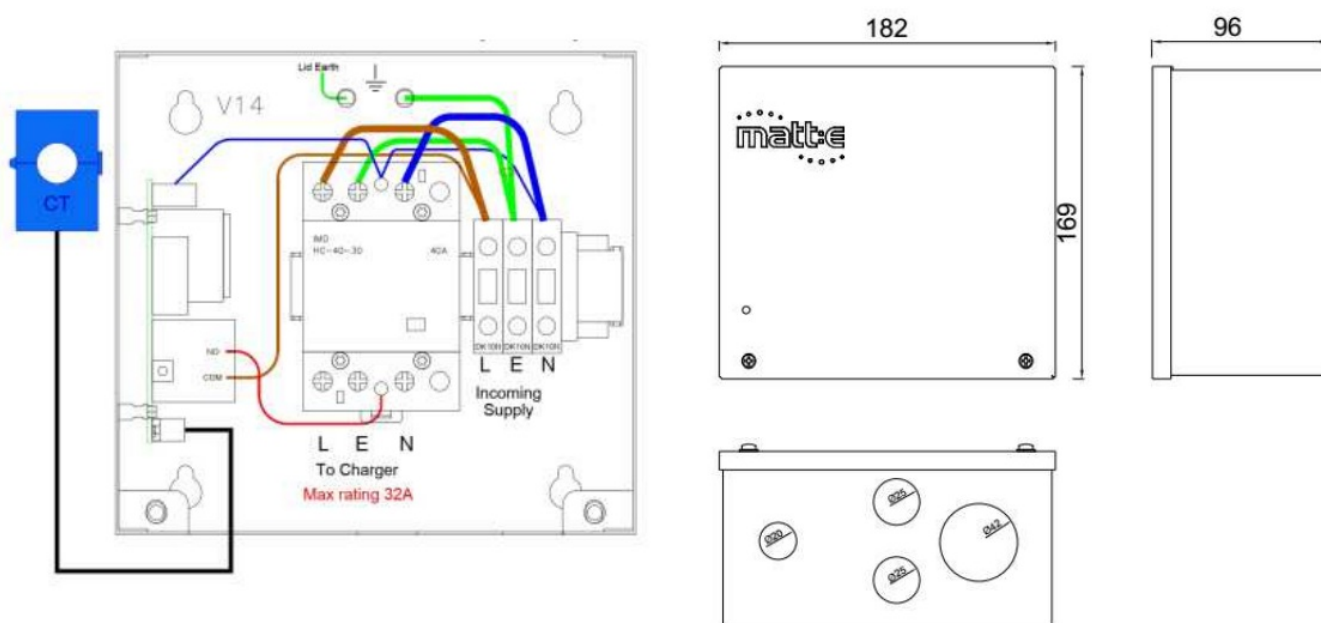
Single-phase Voltage Monitoring and protection device with built in current limiting

- The SP-EVCP-TC from matt:e incorporates our unique monitoring device that disconnects all poles including CPC in the event of a broken Neutral fault in line with Regulation 722.411.4.1(iv) and has 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 preset limit and automatically restores the power to the charge point when the load falls back within a satisfactory level.
- Creating a simple, single connection centre that allows for compliant connection to the existing PME earthing facility without the use of Earth electrodes.

Product Features

- Built in matt:e technology
- BS:7671 2018 Amendment 1 2020 compliant
- NO EARTH ELECTRODES REQUIRED
- Load management with hard wired CT, factory set at 60A,80A or 100A
- CT with simple plug and play connection
- Built in Terminals for simple installation
- Standard 3 Year parts warranty
- Mild steel IP2X enclosure
- Designed and Built in the UK

Dimensions and Specifications



Description	Single-phase Voltage Monitoring and Protection Unit
Input Volts	Nominal input voltage single-phase 230V 50Hz
Max Load	32 amps
Load Management	Pre set at 60A, 80, 100A
CT Cable Length	3m
Cable Entry Facility	Bottom, 1 x 42mm 2 x 25mm 1 x 16mm
Terminal Capacity	6.0mm ²
Dimensions (H x W x D)	169mm x 182mm x 111mm
Weight	Approximately 3kG
Enclosure	Mild Steel Powder Coated
Ingress Protection	IP2X
Warranty	The matt:e <i>SP-EVCP-TC</i> is guaranteed for a period of 3 years from the date of purchase. This warranty is limited to the replacement of faulty components only.

Simplifying EV connection

- t: 01543 227290
- e: info@matt-e.co.uk
- w: www.matt-e.co.uk
- matt:e Ltd, Unit 5 Common Barn Farm Tamworth Road Lichfield WS14 9PX

FAQs

Q: Can the SP-EVCP-TC be used with a three-phase power supply?

A: No, the SP-EVCP-TC is designed for single-phase power input only.


Q: How does the load curtailment feature work?

A: The load curtailment feature isolates the charge point from the supply when house consumption exceeds the preset limit. It automatically restores power once consumption returns to a satisfactory level.

Q: What is the warranty coverage for the SP-EVCP-TC?

A: The unit is covered by a 3-year warranty from the date of purchase, limited to the replacement of faulty components.

Documents / Resources

 <p>SP-EVCP-TC Single-phase Voltage Monitoring and Protection Unit with load curtailment facility</p> <p>The SP-EVCP-TC is a single-phase voltage monitoring and protection unit designed for use with a single-phase power supply. It is designed to monitor the voltage of the supply and to protect the load from over-voltage and under-voltage conditions. The unit is designed to be installed in a single-phase power supply and to protect the load from over-voltage and under-voltage conditions. The unit is designed to be installed in a single-phase power supply and to protect the load from over-voltage and under-voltage conditions.</p> <p>Product Features</p> <ul style="list-style-type: none"> • Single-phase voltage monitoring • Load curtailment facility • 3-year warranty • IP2X ingress protection • 169mm x 182mm x 111mm dimensions • 32A max load • 6.0mm² terminal capacity • 3m CT cable length • 1 x 42mm 2 x 25mm 1 x 16mm cable entry facility • Mild steel powder coated enclosure <p>Technical Specifications</p> <ul style="list-style-type: none"> • Input voltage: 230V 50Hz • Output voltage: 230V 50Hz • Max load: 32A • Terminal capacity: 6.0mm² • Dimensions: 169mm x 182mm x 111mm • Weight: 3kg • Ingress protection: IP2X • Warranty: 3 years 	<p>matt E SP-EVCP-TC Single Phase Voltage Monitoring and Protection Unit [pdf] Instructions SP-EVCP-TC Single Phase Voltage Monitoring and Protection Unit, SP-EVCP-TC, Single Phase Voltage Monitoring and Protection Unit, Phase Voltage Monitoring and Protection Unit, Voltage Monitoring and Protection Unit, Monitoring and Protection Unit, Protection Unit</p>
--	--

References

- [!\[\]\(83eb2aa26b610eb6a9dca7cf4702d681_img.jpg\) matt-e.co.uk](http://matt-e.co.uk)
- [User Manual](#)

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.