

SP and IP-EVCP Connection centres for single-phase properties

...Simplifying EV connection

The matt:e SP an IP EV connection centres provide a compliant, simple to install dedicated EV connection point, with built in PEN fault technology, 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 2, 2022. Regulation 722.411.4.1.(iv).



Product Features and benefits

- Built in matt:e PEN fault detection technology
- NO EARTH ELECTRODES REQUIRED
- Helps reduce disruptive and costly groundworks
- Removes the risk of striking buried services
- Simple wire in wire out connection
- Mild steel IP2X enclosure and IP65 enclosures available
- Option for load curtailment
- Standard 3 Year parts warranty

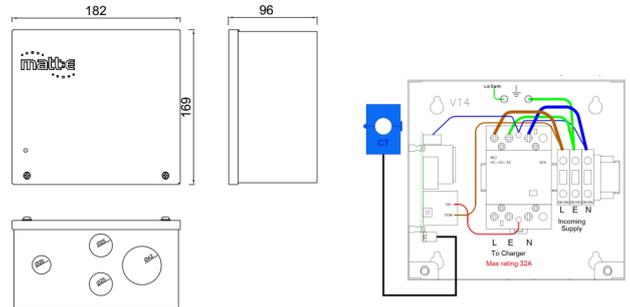
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matt:e Ltd, Unit 5 Common Barn Farm Tamworth Road Lichfield WS14 9PX



SP-EVCP-T (Cxx)

Standard unit with terminals suitable for 1 x 32A single-phase load.

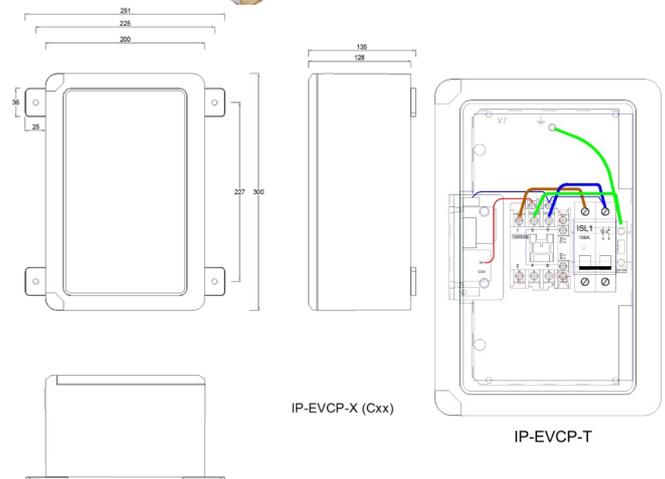
Input Volts	230V 50Hz
Max Load	32amps
Optional load limiting CT	Available set at 60A, 80A, or
Cable Entry Facility	bottom
Terminal Capacity	In : 6.0mm ² Out: 10mm ²
Dimensions (H x W x D)	169mm x 182mm x 96mm
Weight	Approximately 3kG
Enclosure	Mild Steel Zintec Powder Coated
Ingress Protection	IP2X
Warranty	3 Year parts



IP-EVCP-T (Cxx)

IP-65 unit with isolator suitable for 1 x 32A single-phase load.

Input Volts	230V 50Hz
Max Load	32amps
Optional load limiting CT	Available ste at 60A, 80A, or 100A with 3M prewired lead.
Cable Entry Facility	bottom
Terminal Capacity	In : 25.0mm ² Out: 10mm ²
Dimensions (H x W x D)	300mm x 200mm x 129mm
Weight	Approximately 3kG
Enclosure	ABS-HB Flame retardant plastic
Ingress Protection	IP65
Warranty	3 Year parts

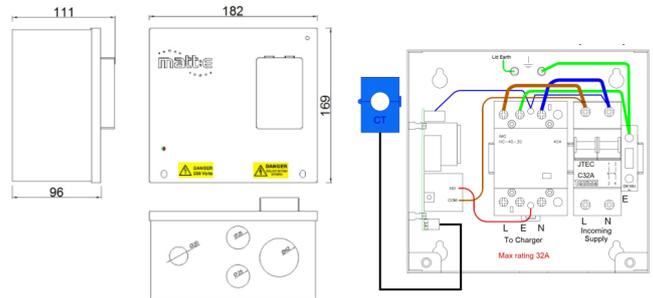


SP-EVCP-M (Cxx)

Standard unit with MCB

suitable for 1 x 32A single-phase load.

Input Volts	230V 50Hz
Max Load	32amps
Optional load limiting CT	Available set at 60A, 80A, or
Cable Entry Facility	bottom
Terminal Capacity	In : 25.0mm ² Out: 10mm ²
Dimensions (H x W x D)	169mm x 182mm x 111mm
Weight	Approximately 3kG
Enclosure	Mild Steel Zintec Powder Coated
Ingress Protection	IP2X
Warranty	3 Year parts

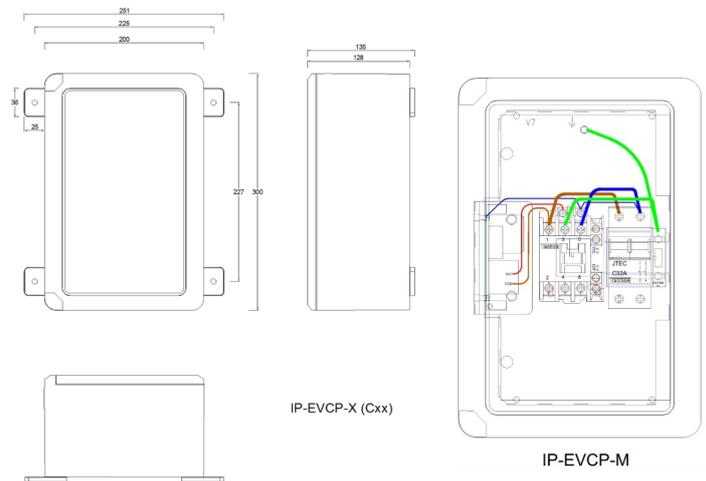


IP-EVCP-M (Cxx)

IP-65 unit with MCB

suitable for 1 x 32A single-phase load.

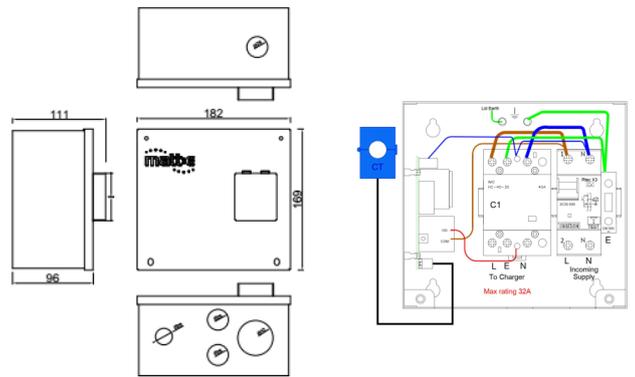
Input Volts	230V 50Hz
Max Load	32amps
Optional load limiting CT	Available ste at 60A, 80A, or
Cable Entry Facility	bottom
Terminal Capacity	In : 25.0mm ² Out: 10mm ²
Dimensions (H x W x D)	300mm x 200mm x 129mm
Weight	Approximately 3kG
Enclosure	ABS-HB Flame retardant plastic
Ingress Protection	IP65
Warranty	3 Year parts



SP-EVCP-R (Cxx)

Standard unit with Type A RCBO suitable for 1 x 32A single-phase load. Compliant for connection direct to tails.

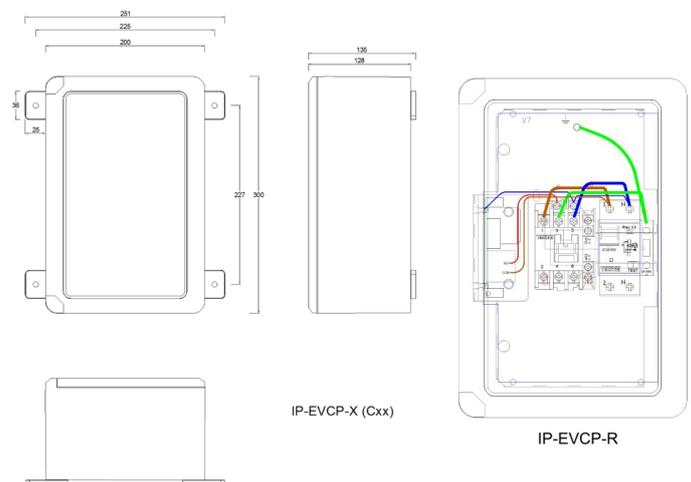
Input Volts	230V 50Hz
Max Load	32amps
Optional load limiting CT	Available set at 60A, 80A, or
Cable Entry Facility	bottom
Terminal Capacity	In : 25.0mm ² Out: 10mm ²
Dimensions (H x W x D)	169mm x 182mm x 111mm
Weight	Approximately 3kG
Enclosure	Mild Steel Zintec Powder Coated
Ingress Protection	IP2X
Warranty	3 Year parts



IP-EVCP-R (Cxx)

IP-65 unit with Type A RCBO suitable for 1 x 32A single-phase load. Compliant for connection direct to tails.

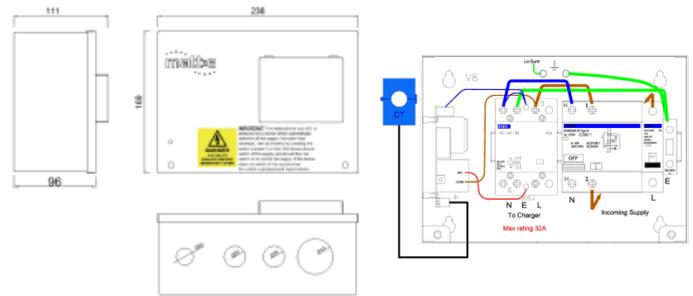
Input Volts	230V 50Hz
Max Load	32amps
Optional load limiting CT	Available set at 60A, 80A, or
Cable Entry Facility	bottom
Terminal Capacity	In : 25.0mm ² Out: 10mm ²
Dimensions (H x W x D)	300mm x 200mm x 129mm
Weight	Approximately 3kG
Enclosure	ABS-HB Flame retardant plastic
Ingress Protection	IP65
Warranty	3 Year parts



SP-EVCP-B (Cxx)

Standard unit with MCB and Type B RCCB,
suitable for 1 x 32A single-phase load.

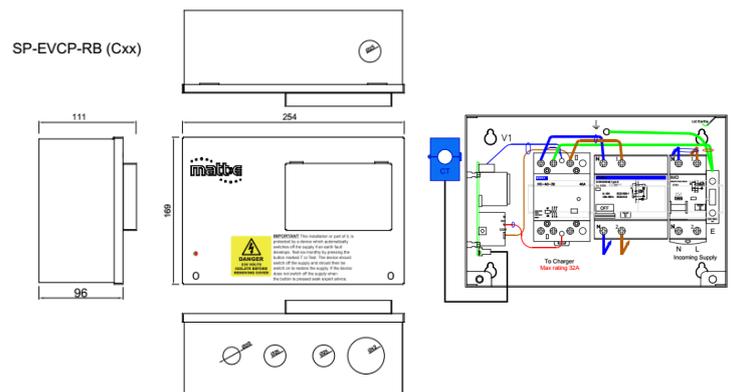
Input Volts	230V 50Hz
Max Load	32amps
Optional load limiting CT	Available set at 60A, 80A, or
Cable Entry Facility	bottom
Terminal Capacity	In : 25.0mm ² Out: 10mm ²
Dimensions (H x W x D)	169mm x 236mm x 111mm
Weight	Approximately 3kG
Enclosure	Mild Steel Zintec Powder Coated
Ingress Protection	IP2X
Warranty	3 Year parts



SP-EVCP-RB (Cxx)

Standard unit with Type A RCBO and Type B RCCB,
suitable for 1 x 32A single-phase load.
Compliant for connection direct to tails.

Input Volts	230V 50Hz
Max Load	32amps
Optional load limiting CT	Available set at 60A, 80A, or
Cable Entry Facility	bottom
Terminal Capacity	In : 25.0mm ² Out: 10mm ²
Dimensions (H x W x D)	169mm x 254mm x 111mm
Weight	Approximately 3kG
Enclosure	Mild Steel Zintec Powder Coated
Ingress Protection	IP2X
Warranty	3 Year parts



EU Declaration of Conformity (DoC)

Ref : SP-EVCP-01-2020

We

Company name: matt:e Ltd
Postal address: Unit 5 Common Barn Farm Tamworth Road
City: Lichfield
Postcode: WS14 9PX
Telephone number: 01543-227290
E-Mail address: Info@matt-e.co.uk

Declare that this DoC is issued under the sole responsibility of the manufacturer.

Apparatus model/Product: SP-EVCP
Type: Single Phase Electric Vehicle Charger Protection

Object of the declaration

Electric Vehicle Charger	SP-EVCP-T(C) SP-EVCP-M(C) SP-EVCP-R(C) SP-EVCP-B(C) SP-EVCP-RB(C)
Protection units	IP-EVCP-T(C) IP-EVCP-M(C) IP-EVCP-R(C) IP-EVCP-RB(C)

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Low Voltage Directive (2014/35/EU)

The following harmonised standards and technical specifications have been applied:

Emissions

EN60255-1 2010 Emissions standard for Measuring Relays and Protection Equipment
EN60255-26 2013
EN55011 2016 + A1:2017 Emissions Standard for ISM Equipment
EN55032 2012 Emissions Standard for Multimedia Equipment

Immunity

EN60255-1 2010 Emissions standard for Measuring Relays and Protection Equipment
EN60255-26 2013
EN61000-4-2 2009 ESD Requirements
EN61000-4-3 2006 + A1 + A2 Radiated Susceptibility
EN61000-4-4 2012 Electrical Fast Transient Burst Requirement
EN61000-4-5 2006 Surges Requirements
EN61000-4-6 2009 Conducted Susceptibility
EN61000-4-11 2004 Voltage Dips and Interruptions
Following the provisions of EU EMC Directive 2014/30/EU

EN61439-1 2:2012 3:2012 Low-voltage switchgear and controlgear assemblies.
EN60947-4-1 Low-voltage switchgear and control gear
EN61009-1 Residual current operated circuit-breakers with integral overcurrent
EN61008-1 Residual current operated circuit-breakers without integral overcurrent
EN 60898-1:2019 Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation

Signed for and on behalf of: matt:e Ltd

Place of issue

Lichfield, England

Date

17 Jan 2021



J Charlton, Director