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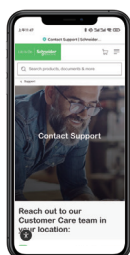
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Customer Care Center





D4044500EN

en Scan the QR code to get the Safety Data Sheet.

How to Get the Safety Data Sheet

- To get the Schneider Charge Pro Safety Data Sheet (reference D4044500):
 - either do a search for the document reference D4044500 on www.se.com/docs
 - or scan the QR code on this document.
- Contact your local support to get a printed copy of the Safety Data Sheet.
- For more information, consult www.se.com/support.

How to Use the Safety Data Sheet

- The safety data sheet provides a general safety overview of Schneider Charge Pro. It is imperative to consult the full product user manual for product specification and installation, along with all applicable local, national, and European regulations before commissioning, operating, or maintaining the charging station.
- Do a search for the document linked to the product Schneider Charge Pro with below reference on www.se.com/docs.
 - BRU2882901 > Charging Station Installation Guide
 - BRU5587800 > OCPP Protocol Connectivity Guide
 - NAT3046700 > Modbus Connectivity Guide
 - BRU5883000 > Cybersecurity Guide
 - D3994683 > ISO 15118 Module Installation Guide
 - BRU9949500 > Commissioning Guide
- For more information, consult www.se.com/support.

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Safety

Important Information

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in death or serious injury**.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in death or serious injury**.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in minor or moderate injury**.

NOTICE

NOTICE is used to address practices not related to physical injury.

PLEASE NOTE

- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of this device.
- Schneider Electric cannot be held responsible in the event of non-compliance with the instructions in this document and in the documents to which it refers.
- The service instruction must be observed throughout the life time of this device.
- If it is connected to EV Charging Expert, the update of the charging station will be automatically performed by EV Charging Expert when configuring the system (check beforehand that EV Charging Expert is up to date).

⚠ WARNING

RISK OF INJURY OR DAMAGING THE CHARGING STATION

- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- This device should not be installed if, when unpacking it, you observe that it is damaged.
- The charging station, the cable and the connector must be regularly checked by to detect any potential damage (visual inspection).
- In case the charging station is damaged, it must be immediately turned off and replaced.
- Do not remove signs such as safety symbols, warnings, nameplates, signs or markings.
- Do not connect any other type of loads to the charging station (power tools, etc.). Only connect electric vehicles or their charging equipment.
- Do not disconnect the connector by pulling the cable. Hold the connector in your hand to disconnect the connector from the electrical vehicle.
- Do not bend, squeeze or tilt the connector so that it is mechanically damaged.
- Prevent the connector to be in contact with heat source, dirt or water.
- Never clean the charging station by spraying it with water (Hose for garden watering, high pressure cleaners, etc.).
- Never clean the charging station by chemical or aggressive cleaner.

Failure to follow these instructions could result in death, serious injury, or equipment damage.

General Safety For ISO 15118

PLEASE NOTE

- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of this device.
- Schneider Electric cannot be held responsible in the event of non-compliance with the instructions in this document and in the documents to which it refers.
- The service instruction must be observed throughout the life time of this device.
- For a charging station with an earlier software version, perform a FW upgrade to the latest version after installation.

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- It is mandatory to read the detailed instruction sheet of this device and to look at the device to become familiar with it before attempting to install it, operate it, repair it or perform maintenance on it.
- Wear suitable personal protective equipment (PPE) and follow all safety procedures.
- Turn off all power supplying this device before working on the charging station.
- Always use a properly rated voltage sensing device to confirm power is off.

Failure to follow these instructions will result in death or serious injury.

⚠ WARNING

RISK OF ELECTRIC SHOCK, SERIOUS INJURY OR DAMAGING THE CHARGING STATION

- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- Do not install the product under bad weather condition without adequate protections.

Failure to follow these instructions could result in death, serious injury, or equipment damage.

1 Schneider Charge Pro Installation Safety Information

NOTE: For more detailed safety information, please refer to the Schneider Charge Pro Installation Guide.

1.1 Electrical Diagram

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Do not install automatic reset systems on the residual current protection device.
- Disconnect the mains power supply before working on the charging station.
- Use a Voltage Tester (VT) of appropriate rating.
- Do not turn on the charging station if the earth resistance measured is higher than the threshold defined in the enforceable regulations.
- The connection to the Under-voltage Release (iMNx) is mandatory.
- Do not connect to an IT earthing system if the voltage exceeds 240Vac
- Install the over-current and residual current protections upstream of charging station.
- It is mandatory to read the detailed instruction sheet of this device and to look at the device to become familiar with it before attempting to install it, operate it, repair it or perform maintenance on it.

Failure to follow these instructions will result in death or serious injury.

NOTICE

INOPERABLE EQUIPMENT

- When charging station is powered by 220-240V 3-phase No Neutral, e.g. in Belgium, must do commissioning via eSetup, otherwise upstream MCB tripping may occur.

Failure to follow these instructions could result in equipment damage.

1.2 Installation

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

Do not install the charging station in explosive environment.

Failure to follow these instructions will result in death or serious injury.

⚠ WARNING

RISK OF DAMAGING THE CHARGING STATION

- Do not install the product under bad weather condition without adequate protections.
- Protect the charging station from dust and water while fixing the bracket.
- Attach the charging station to a flat surface.
- Use screws, washers and wall plugs suitable for the wall material.
- Screw head thickness should be less than 5.5 mm.

Failure to follow these instructions could result in death, serious injury, or equipment damage.

1.2.1 Wall Mounting

NOTICE

RISK OF UNSTABLE MOUNTING

- The wall must be vertical with a tolerance of no more than 5 mm.
- The fixing system (dowels) must be adapted to the wall and the weight of the product.
- Ensure there is enough space on right side of mounting position to operate side button and observe side LED.

Failure to follow these instructions could result in equipment damage.

1.2.2 Wiring

NOTICE

INOPERABLE EQUIPMENT

- DSO terminals must only be connected to dry contacts without voltage.
- iMNx terminals from the charging station must only be connected to E1 E2 iMNx or MNx terminals, excluding any other tripping device.

Failure to follow these instructions could result in equipment damage.

1.2.3 Installation Complete

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Return all devices, doors, and covers before turning on power to this device.
- Beware of potential hazards, and carefully inspect the work area for tools and objects that may have been left inside the device.

Failure to follow these instructions will result in death or serious injury.

1.3 Inspection

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH
Wear suitable personal protective equipment (PPE) and follow all safety procedures.
Failure to follow these instructions will result in death or serious injury.

1.4 Operation

⚠ CAUTION

RISK OF INJURY
Do not use any extension cable or adaptor to connect the charging station to the electric vehicle.
Failure to follow these instructions could result in injury, or equipment damage.

1.4.1 Disconnecting the Electric Vehicle

⚠ CAUTION

RISK OF INJURY
Do not use brute force to unplug the charging connector from the Electric Vehicle as it is mechanically locked.
Failure to follow these instructions could result in death, serious injury, or equipment damage.

1.5 Cable Storage

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH
Regularly check the integrity of the cable.
Failure to follow these instructions will result in death or serious injury.

1.6 Reset to Factory

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH
Do not perform "Reset to Factory" during a firmware update or while a charging process.
Failure to follow these instructions will result in death or serious injury.

1.6.1 Handling and Fixing in Place

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Be aware of potential hazards, and carefully inspect the work area for tools and objects that may have been left inside the device.
- Wear suitable personal protective equipment (PPE).
- Do not operate under bad weather condition without adequate protections.

Failure to follow these instructions will result in death or serious injury.

NOTICE

RISK OF DAMAGING THE CHARGING STATION

- Do not touch the electronic boards by hand or with a tool (e.g. screwdriver).
- Make sure that all signal cables and antennas are not covered or pinched, especially for cables of side button.

Failure to follow these instructions could result in equipment damage.

NOTE: For more detailed safety information, please refer to the Schneider Charge Pro ISO 15118 Module Installation.

2.1 Content

⚠ CAUTION

HAZARD OF ELECTROSTATIC DISCHARGE OR POWER SURGE

- Do not touch the sharp pin of the electronic board.
- Use anti-static protection when making connection operations inside the charging station.

Failure to follow these instructions could result in injury, or equipment damage.

2.2 Module Installation

2.2.1 Module Assembly

⚠ ⚠ DANGER

HAZARD OF MODEM DAMAGE OR ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Take all necessary precautions when handling and installing the modem in the connector on the motherboard.
- Turn off all power supplying this device before working on the charging station.

Failure to follow these instructions will result in death, serious injury, or equipment damage.

2.3 Inspection and Power On

2.3.1 Power On

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

Beware of potential hazards, and carefully inspect the work area for tools and objects that may have been left inside the device.

Failure to follow these instructions will result in death or serious injury.

NOTE: For more detailed safety information, please refer to the Schneider Charge Pro OCPP Connectivity Guide.

3.1 Safety Precautions

NOTICE

HAZARD OF INCORRECT USE

- This document contains general descriptions and/or general technical specifications of the products mentioned. It cannot be used to determine the suitability or reliability of these products for specific user applications. It is the responsibility of each user or integrator to conduct the appropriate risk analysis in full, assessing and testing products as regards the application in which they will be used and the execution of this application. Neither Schneider Electric nor any of its affiliated companies or subsidiaries can be held responsible for incorrect use of the information contained in this document. If you have any suggestions for improvements or correction, or have found errors in this publication, please notify us.
- All relevant state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to ensure compliance with documented system data, only the manufacturer should perform repairs to components. When equipment is used for applications with technical safety requirements, follow the relevant instructions.

Failure to follow these instructions can result in equipment damage.

NOTE: For more detailed safety information, please refer to the Schneider Charge Pro Cybersecurity Guide.

4.1 Safety Instructions

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK

- Do not open the product.
 - Product to be serviced by qualified personnel only.
- Failure to follow these instructions will result in death or serious injury.

4.2 Cybersecurity Information

4.2.1 Important Information

⚠ WARNING

POTENTIAL COMPROMISE OF SYSTEM AVAILABILITY, INTEGRITY, AND CONFIDENTIALITY

- Change default passwords at first step to help prevent unauthorized access to device settings, controls, and information.
 - Disable unused ports/services and default accounts to help minimize pathways for malicious attackers.
 - Place networked devices behind multiple layers of cyber defenses (such as firewalls, network segmentation, and network intrusion detection and protection).
 - Use cybersecurity best practices (for example, least privilege, separation of duties) to help prevent unauthorized exposure, loss, modification of data and logs, or interruption of services.
- Failure to follow these instructions could result in death, serious injury, or equipment damage.

5 Schneider Charge Pro Commissioning Safety Information

NOTE: For more detailed safety information, please refer to the Schneider Charge Pro Commissioning Guide.

5.1 Connection

NOTICE

CHARGING STATION OPERATE

- Keep the Wi-Fi information in a safe place.
 - Do not forget to remove the stickers when commissioning is finished.
- Failure to follow these instructions can result in equipment damage.**

5.2 Firmware upgrade

NOTICE

FIRMWARE UPGRADE

Do not shut down the charging station during the Firmware upgrade process.

Failure to follow these instructions can result in equipment damage.

6 Schneider Charge Pro Modbus Connectivity Safety Information

NOTE: For more detailed safety information, please refer to the Schneider Charge Pro Modbus Connectivity Guide.

6.1 Safety Precautions

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals.
Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks.
 - Connecting several electrical devices.
 - Laying electrical cables
 - Safety standards, local wiring rules and regulations.
- Failure to follow these instructions will result in death or serious injury.**

NOTICE

UNINTENTIONAL OPERATION

- PowerTag Energy Resi9 load management feature shall be enabled by eSetup commissioning before use.
 - The P1 smart meter load management feature shall be enable by eSetup commissioning before use.
 - When installing the CT on the cable, pay attention to the correct direction of the phase in relation to the source. Wrong direction generates negative outputs (negative energy).
- Failure to follow these instructions will result in malfunction.**

6.2 Connectivity with PowerTag Energy Resi9

6.2.1 PowerTag Energy Resi9 Product Information

NOTICE

UNINTENTIONAL OPERATION

- PowerTag Resi9 should not be applied in any power grid without neutral line.
 - 1-Phase of PowerTag Resi9 should not be applied in any power grid of 3-Phase.
 - The phase line where CT ring is installed should be the same as the phase line of the charging station.
 - End point of CT ring should always connect to I1+ and I1- of PowerTag Resi9.
- Failure to follow these instructions will result in malfunction.**