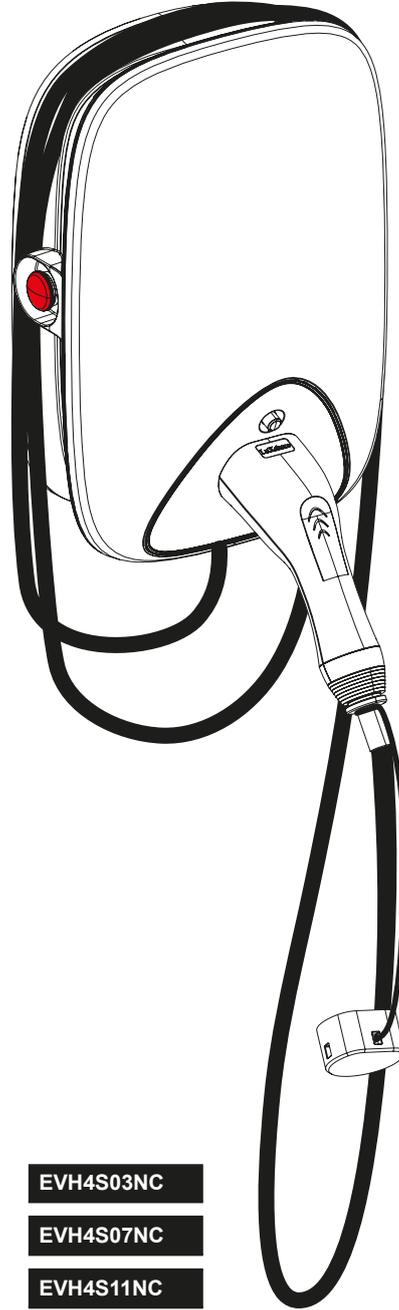


- EVH4S03N2
- EVH4S07N2
- EVH4S11N2



- EVH4S03NC
- EVH4S07NC
- EVH4S11NC

Customer Care Center



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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

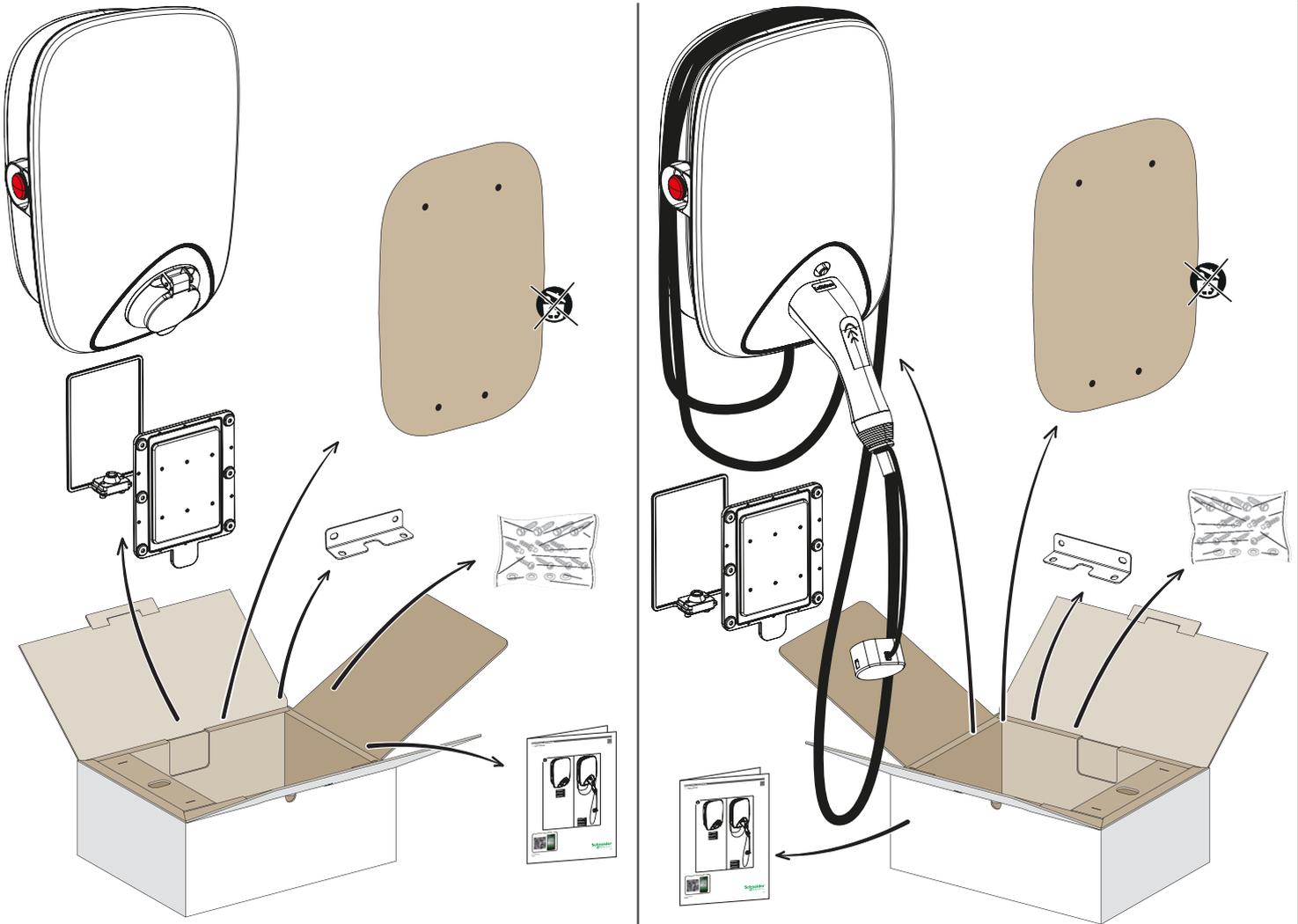
NOTICE is used to address practices not related to physical injury.

PLEASE NOTE

- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of this device.
- This device should not be installed if, when unpacking it, you observe that it is damaged.
- 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.

Symbol	Content
	<p>Failure to follow safety instructions can result in death, injury, and equipment damage. Refuse to bear any claims arising from this.</p> <p>■ Electrical hazard Only trained, qualified and authorized electrical professionals are responsible for installation. The first time to commission and maintain the charger, it should comply with existing standards and installation regulations when performing the aforementioned operations. See chapter "A Installation Instructions" for details. Electrical hazard / fire hazard</p> <ul style="list-style-type: none"> □ Must regularly check the charging connector (including cable) in charger for damage and check whether the case is damaged (visual inspection). □ If the charger is damaged, it must be turned off and replaced immediately. □ Do not perform the charger maintenance work without authorization. Only the manufacturer can perform the operation (replace the charger). □ Do not modify or modify the charger. □ Never remove signs such as safety symbols, warnings, nameplates, signs or pipeline markings. <p>■ No extension cable shall be used when connecting the electric vehicle to the electric vehicle power supply device. ■ Only connect electric vehicles or their charging equipment. Do not connect other loads (power tools, etc.). ■ Hold the connector when pulling the charging connector, and do not pull the cable. ■ Do not bend, squeeze or tilt the charging connector so that it is mechanically damaged. ■ Do not touch the heat source, dirt or water on the contact surface. ■ Some vehicles may generate toxic or explosive gases in the indoor area during charging, so an external ventilation system must be provided. ■ When using an integrated charger to charge your electric car, please read the vehicle's tips and instructions carefully.</p>
	<p>■ Never clean the charging point by spraying it with water (Hose for garden watering, high pressure cleaners, etc)</p>

1 Contents



	M8x60 wall plugs x 4
	M6x50 screws x 4
	M6 washers x 4
	M8 (6 mm ²) ring terminals x3
	Crimping collar x 1

2 Description

2.1 Product references

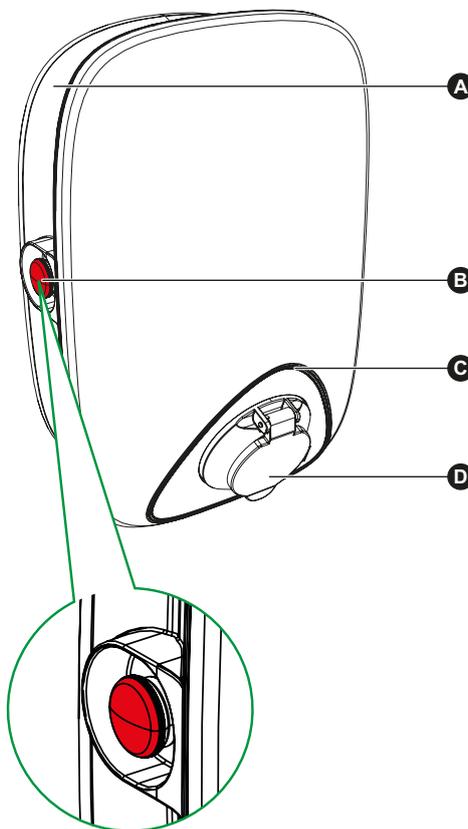
Reference	Short Description	Power supply	Power rating	Electrical protection
EVH4S03N2	EVlink Home 1P T2 3,7 kW 16A - with RDC-DD	T2 outlet	3.7 kW 16A	with 6 mA RDC-DD filter
EVH4S07N2	EVlink Home 1P T2 7,4 Kw 32A - with RDC-DD	T2 outlet	7.4 kW 32A	with 6 mA RDC-DD filter
EVH4S11N2	EVlink Home 3P T2 11 kW 16A - with RDC-DD	T2 outlet	11 kW 16A	with 6 mA RDC-DD filter
EVH4S03NC	EVlink Home 1P attached cable 5 m 3.7 kW 16A - with RDC-DD	Attached cable 5 m	3.7 kW 16A	with 6 mA RDC-DD filter
EVH4S07NC	EVlink Home 1P attached cable 5 m 7,4 Kw 32A - with RDC-DD	Attached cable 5 m	7.4 kW 32A	with 6 mA RDC-DD filter
EVH4S11NC	EVlink Home 3P attached cable 5 m 11 kW 16A - with RDC-DD	Attached cable 5 m	11 kW 16A	with 6 mA RDC-DD filter

2.2 Dimensions and weight

Model	EVH4S03N2 (Charger with charging cable: cable, type2) EVH4S07N2 EVH4S03NC (Charger with T2 outlet: socket, type2) EVH4S07NC	EVH4S11N2 (Charger with charging cable: cable, type2) EVH4S11NC (Charger with T2 outlet: socket, type2)
Power rating	3.7 and 7.4 kW	11 kW
Dimensions	282 mm × 409 mm × 148 mm	
Weight	approx. 4.4 kg	approx. 5.7 kg
Installation	Wall-mounted	

2.3 Product description

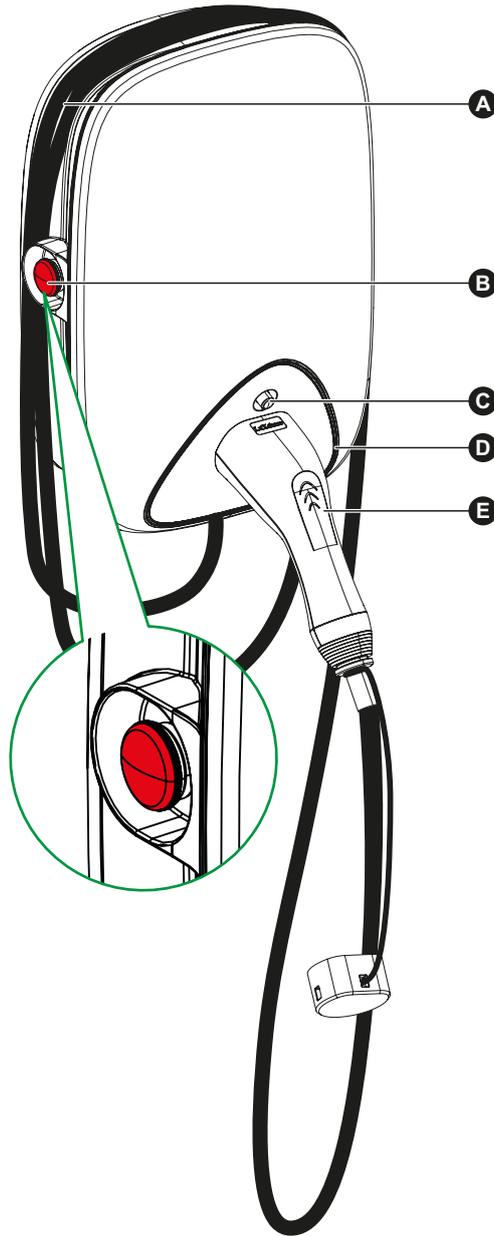
- This charging station is an electrical appliance that supplies electric energy to charge plug-in electric vehicles for indoor and private outdoor areas.
- When installing and using the charger, ensure that you comply with local regulations.
- The intended use of the equipment includes, in all cases, the environmental conditions established for the equipment.



A	Cable winding trough	When not in use, wind the charging cable around the charging station's trough to avoid tripping hazards and equipment damage.
B	Emergency stop button	Only to be used in an emergency. In normal use, stop the charge via the EV. The button can be reset by rotating it 90° clockwise.
C	LED status indicator	Green constant: available
		Blue pulsing: charging
		Blue constant: charge complete (charging current < 1A for 20 minutes).
		Red constant: fault. Stop using the charger
D	Charging outlet	Plug in your T2 charging cable

2 Description

2.3 Product description



A	Cable winding trough	When not in use, wind the charging cable around the charging station's trough to avoid tripping hazards and equipment damage.
B	Emergency stop button	Only to be used in an emergency. In normal use, stop the charge via the EV. The button can be reset by rotating it.
C	Connector unlock button	Push the button to unlock the charging connector.
D	LED status indicator	Green constant: available
		Blue pulsing: charging
		Blue constant: charge complete (charging current < 1A for 20 minutes)
		Red constant: fault. Stop using the charger
E	Charging connector dock	Dock the charging connector when not in use to avoid tripping hazards and equipment damage.

3 Characteristics

3.1 General data

- Ingress protection rating: according to IEC 60529
 - IP54 for EVlink Home
 - IP55 for EVlink Home with attached cable
- Impact protection rating: IK10 (IEC 62262)
- Socket for T2 cable or T2 attached cable according to IEC 62196-1 and IEC 62196-2
- Operating temperature: -30° C to +50° C
- Storage temperature: -40° C to +80° C
- Relative humidity: 5-95 %
- Rated voltage (depending on model):
 - For 3.7 and 7.4 kW: 230 V AC, 50 Hz
 - For 11 kW: 400 V AC, 50 Hz
- Rated charging current: 16 A for 3.7 kW, 32 A for 7.4 kW and 16 A for 11 kW
- Diagram of the earthing system: TN-S, TN-C-S, TT
- Designed for indoor and outdoor use

3.2 Certification

- IEC/EN 61851-1 ed 3.0
- IEC 61851-21 - 2
- EN 61000-6-1
- EN 61000-6-3

3.3 Environment

- Compliant with the RoHS European directive
- Compliance with the REACH European regulation

3.4 Accessories

- EVlink Home Anti-tripping system, single-phase (EVA1HPC1)
- EVlink Home Anti-tripping system, three-phase (EVA1HPC3)
- EVlink AC charger testing tool (EVA1SADS)

4 Protection

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

Do not install automatic reset systems on the residual current protection device.

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

Upstream protections

- EV measure the earth resistance and will only start charging if it's lower than the threshold defined by the EV manufacturer. Refer to the vehicle's technical documentation.
- The choice of electrical protections and wire gauges must comply with local regulations and the information below as well as the constraints of the electrical installation. In particular, the selected protection must not only satisfy the requirements of IEC 61851-1 ed 3.0 but must also limit the value of I^2t to less than 75 000 A²s in case of a short-circuit.

Charging station rated current	16 A 1-Ph	32 A 1-Ph	16 A 3-Ph
Protection against overload and short circuits	20 A curve B or C (1)	40 A curve B or C (1)	20 A curve C
Differential protection	30 mA type A	30 mA type A	30 mA type A

(1) According to selectivity with upstream protections
Recommended protection: Acti9 iC60

- A shunt trip release (Mx) controlled by the charging station must be installed to enable to activate the upstream circuit-breaker tripping.
- The protections described below should only be taken as suggestions and Schneider Electric cannot be held liable.

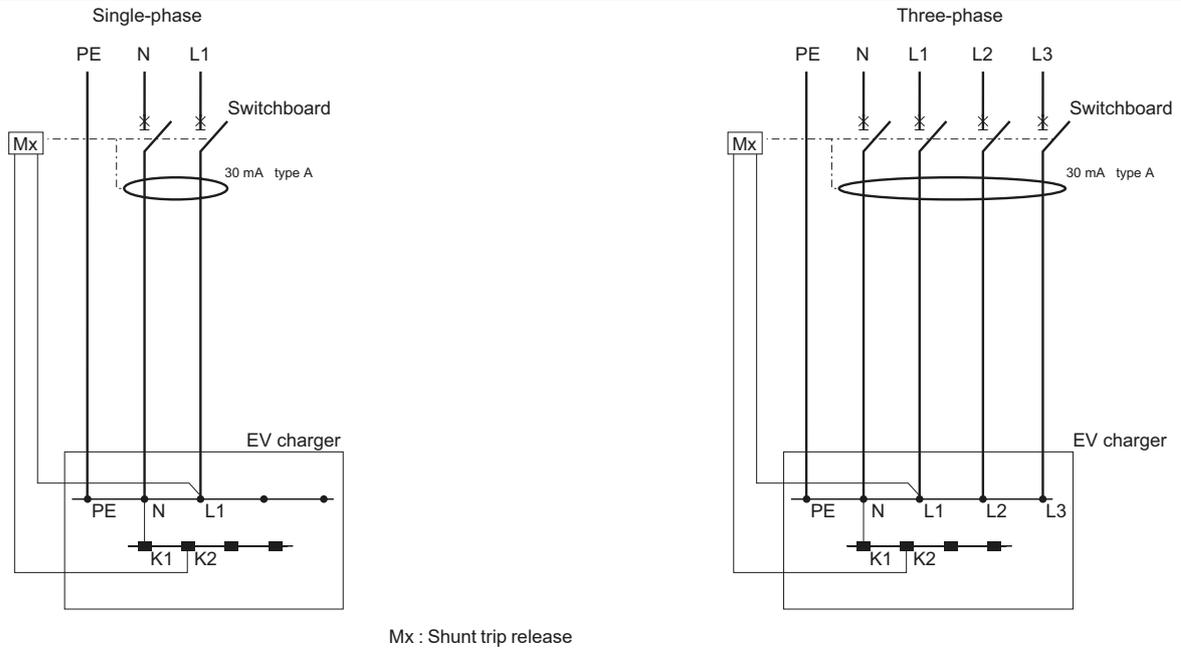
Recommendations for lightning protection

One surge arrester per charger is recommended for high keraunic levels, mandatory if required by local regulations.

Power cable requirements

- The maximum wire gauge should **not exceed 6 mm²**.
- It is strongly recommended to use flexible cables when connecting the charging station to the power supply.
- It is strongly recommended to crimp ring terminals onto the wires of the power cable.

5 Wiring



6 Connection

⚠️ ⚠️ DANGER

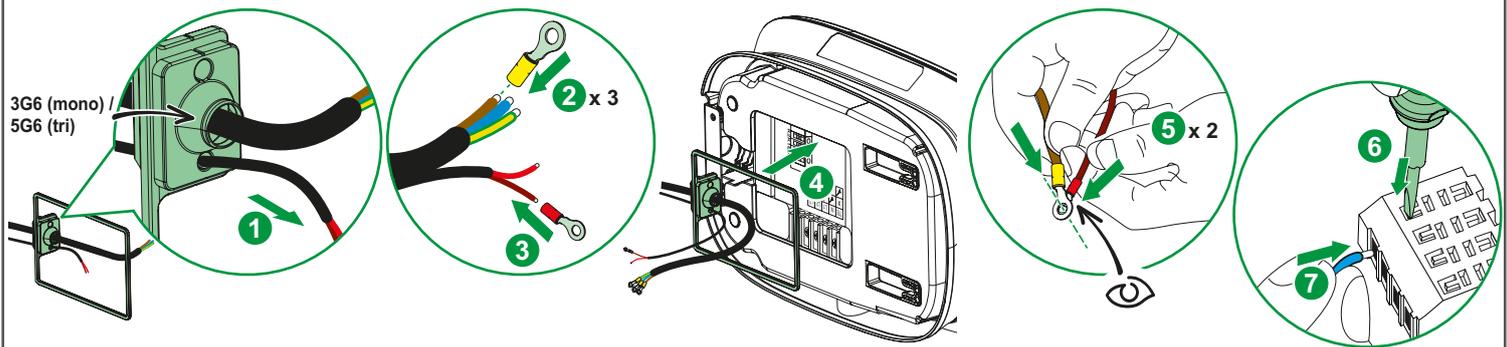
HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect the mains power supply before working on the charger.
 - Use a Voltage Tester 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.
 - Connection to a Shunt trip release (Mx). It is not supplied with the charging station.
- Failure to follow these instructions will result in death or serious injury.**

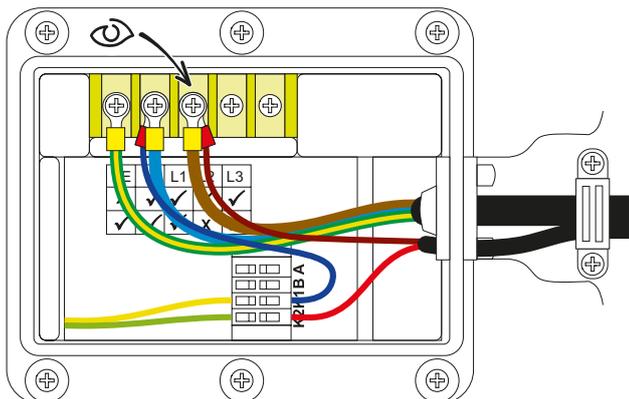
6.1 Shunt trip release (Mx)

1. Install a shunt trip release (Mx) as described in the wiring diagram (Section 5) to ensure operator safety and in compliance with IEC 61851-1.
2. Connect the shunt trip release (Mx) with 1.5 mm² 2-core cable with insulation for 230V no wider than 5 mm.
3. Take the rubber gasket and poke out 1 of the 2 rubber plugs.
4. Pass the 2 wires connecting the shunt trip release (Mx) through the now empty plug.
5. Inside the EVlink Home charger, insert 1 wire from the shunt trip release (Mx) into the K2 terminal of the connector.
6. Connect the second wire from the shunt trip release (Mx) to the L1 screw terminal using a red (1.5 mm²) ring terminal (do not wrap the bare wire around the screw terminal).
7. Connect a wire to the Neutral screw terminal using a red (1.5 mm²) ring terminal and insert the other end into the K1 terminal of the connector (insert thin screwdriver into connector's largest hole and push down to open clamp).

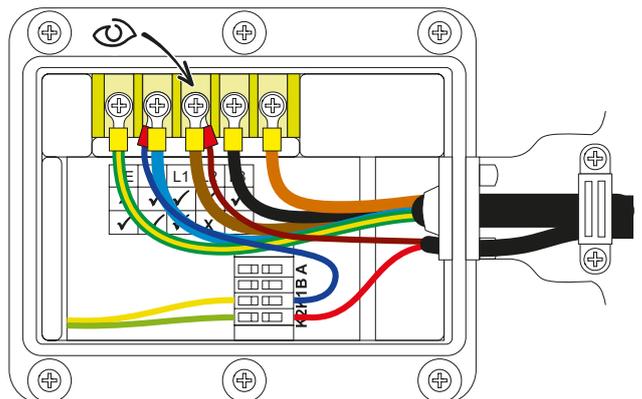
6.2 Wire-up power supply



EVlink Home 1P

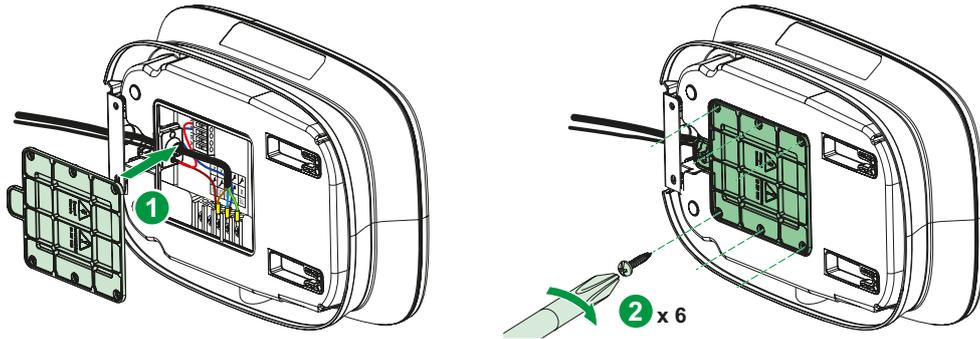


EVlink Home 3P

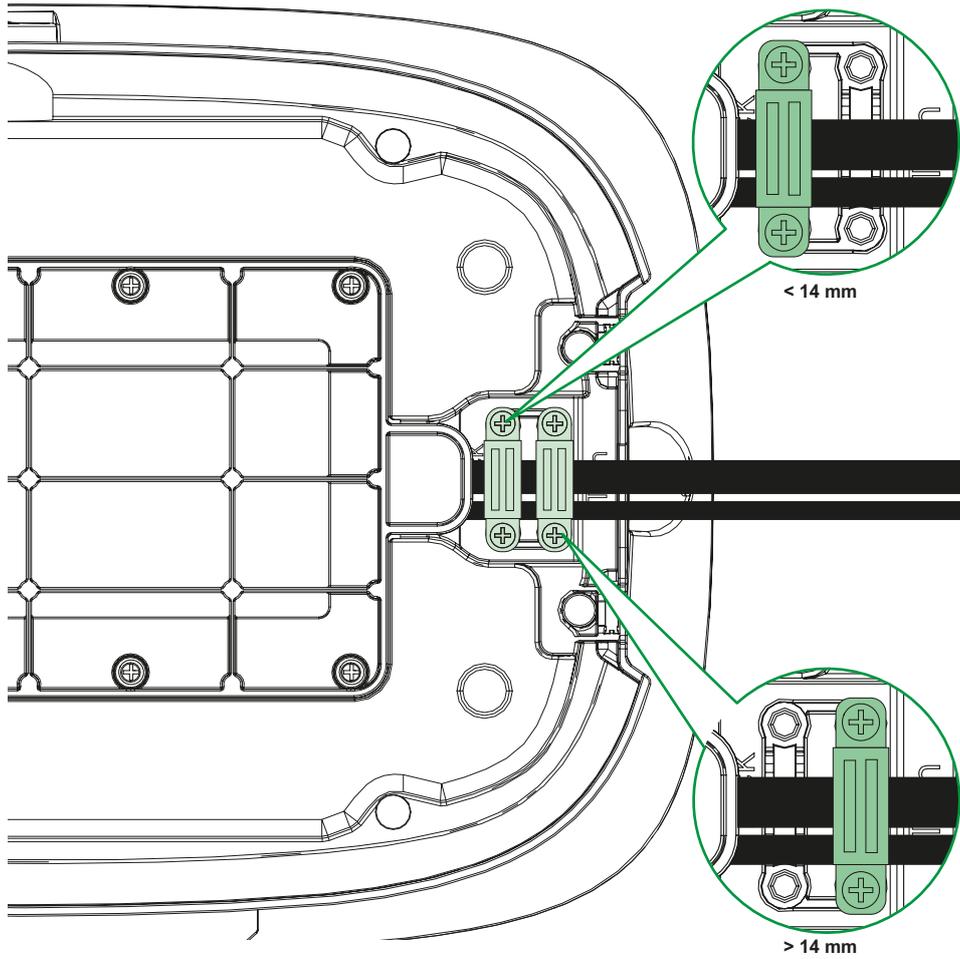


6 Connection

6.3 Secure inspection hatch



6.4 Clamp power cable



7 Installation

⚠️ ⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

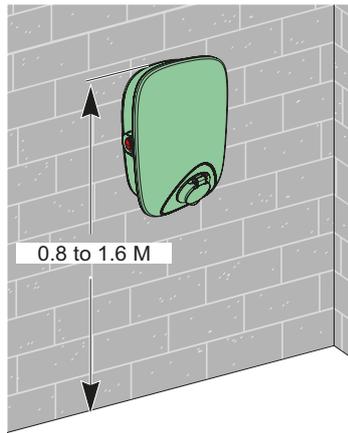
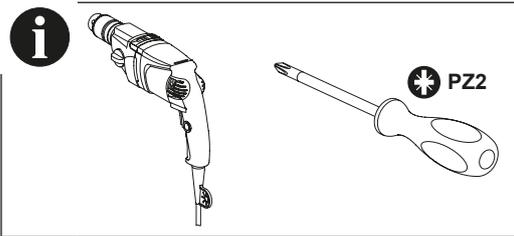
- Disconnect power supply before working on this equipment.
 - Use a voltage tester of suitable rating.
 - Do not start the charging station if the ground resistance measured is greater than the threshold defined by the applicable law.
 - Install the over-current and residual current protections as described in the instructions and recommendations chapter (Chapter 6).
 - Do not use a system which automatically resets the residual current circuit breaker.
- Failure to follow these instructions will result in death or serious injury.**

⚠️ WARNING

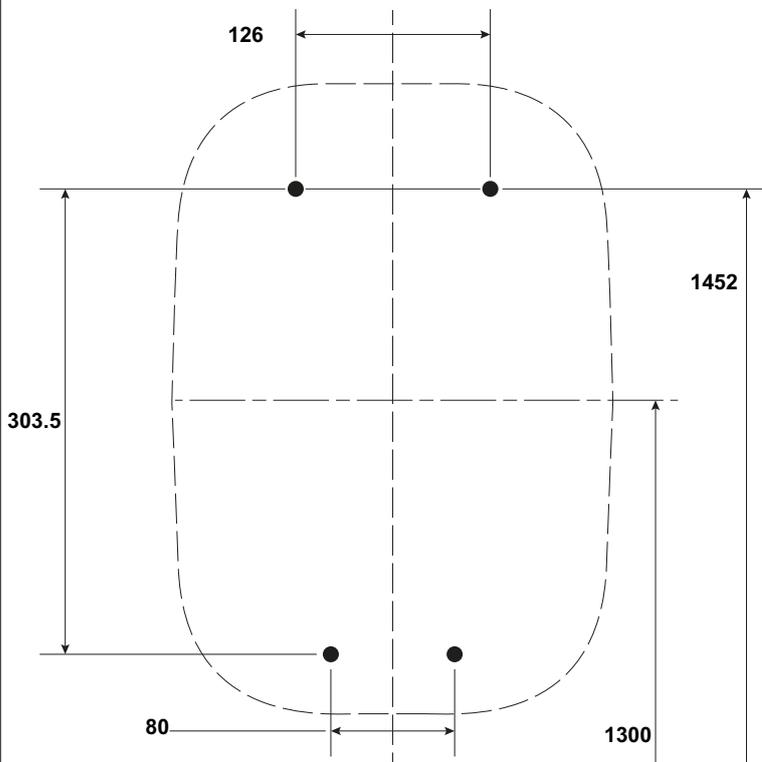
RISK OF DAMAGING THE CHARGING STATION

- 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.
- Failure to follow these instructions can result in death, serious injury, or equipment damage.**

7.1 Mark installation area



- Check the installation area before marking it on the wall. It is recommended to situate the top of the charging station between 0.8 to 1.6 m above the ground.



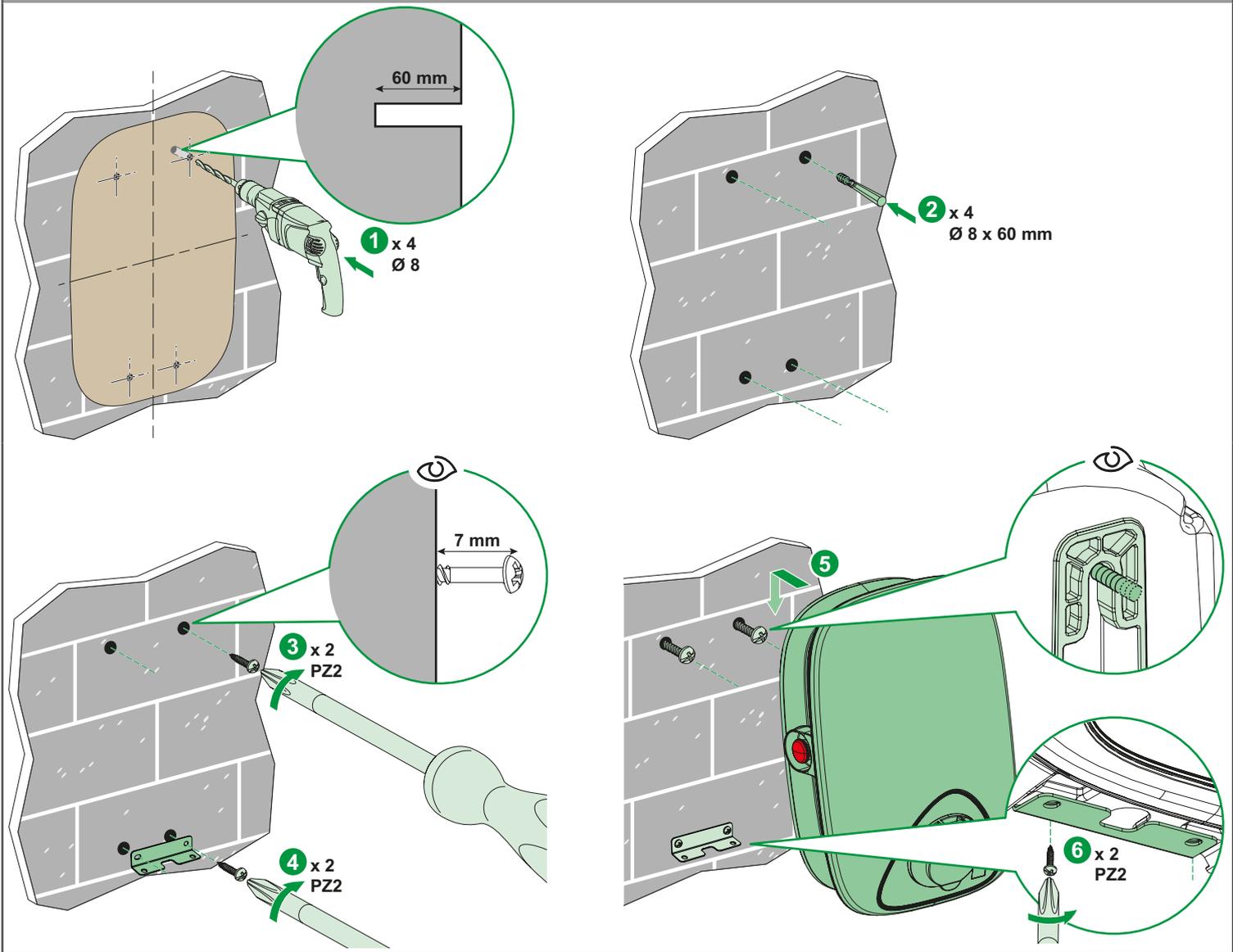
- Place the drilling template at a suitable height, and mark the support screws on the wall with a pencil.
- Ensure you allow sufficient space around the charger to wind the cable and access the stop button (left-hand side).

Recommended installation procedure

1. Mark area using Installation Template sheet
2. Drill holes through template
3. Fix screws and bracket to holes
4. **WARNING: disconnect power supply**
5. Wire shunt trip release (Mx) to charger
6. Wire power supply to charger
7. Secure charger's inspection hatch
8. Clamp charger's power cable
9. Mount charger onto screws and bracket
10. Fix bracket to charger
11. Install anti-tripping system (optional)
12. Reconnect power supply

7 Installation

7.2 Drill, fix and mount



8 Inspection

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

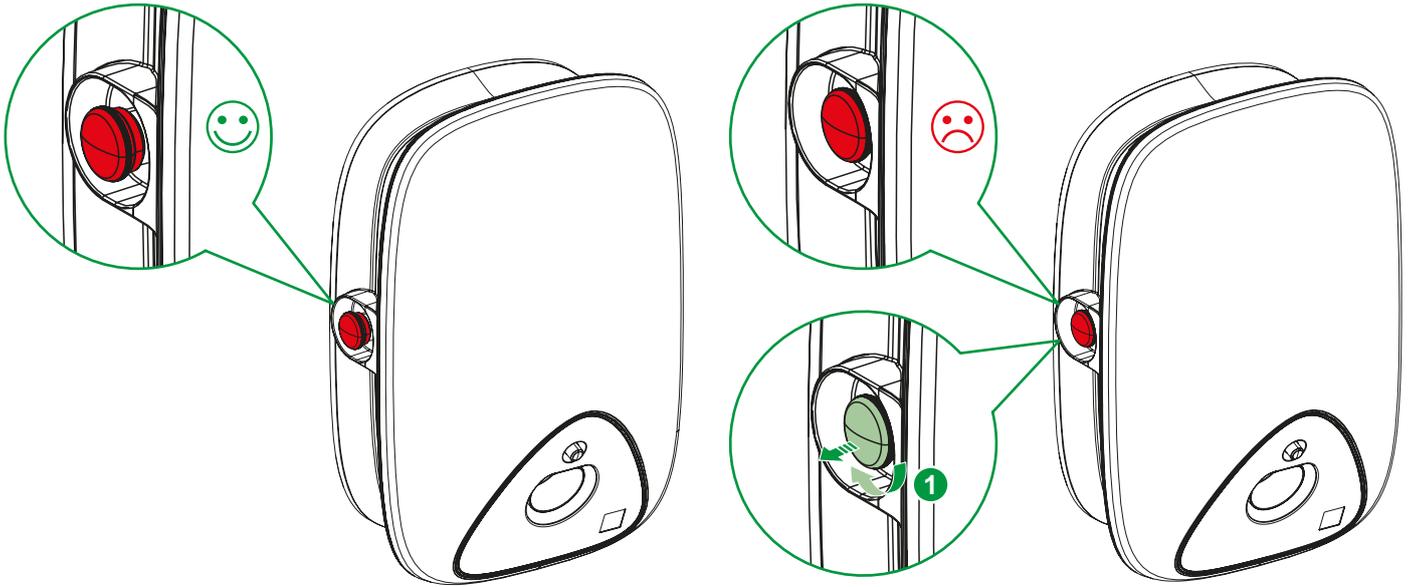
Wear suitable personal protective equipment (PPE) and follow all safety procedures.

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

- Check that the inspection hatch is correctly screwed down.
- Ensure that the power cable is securely fastened by the crimping collar.
- Check that the cover of the charging station is intact and hasn't suffered any obvious mechanical damage or deformation.
- Check that the charging station is securely fastened to the wall.
- Check that nothing is impeding the connection of the charging cable to the charger socket.

9 Configuration

- Check that the Emergency Button is unlocked by rotating it 90° clockwise.



10 Cable storage

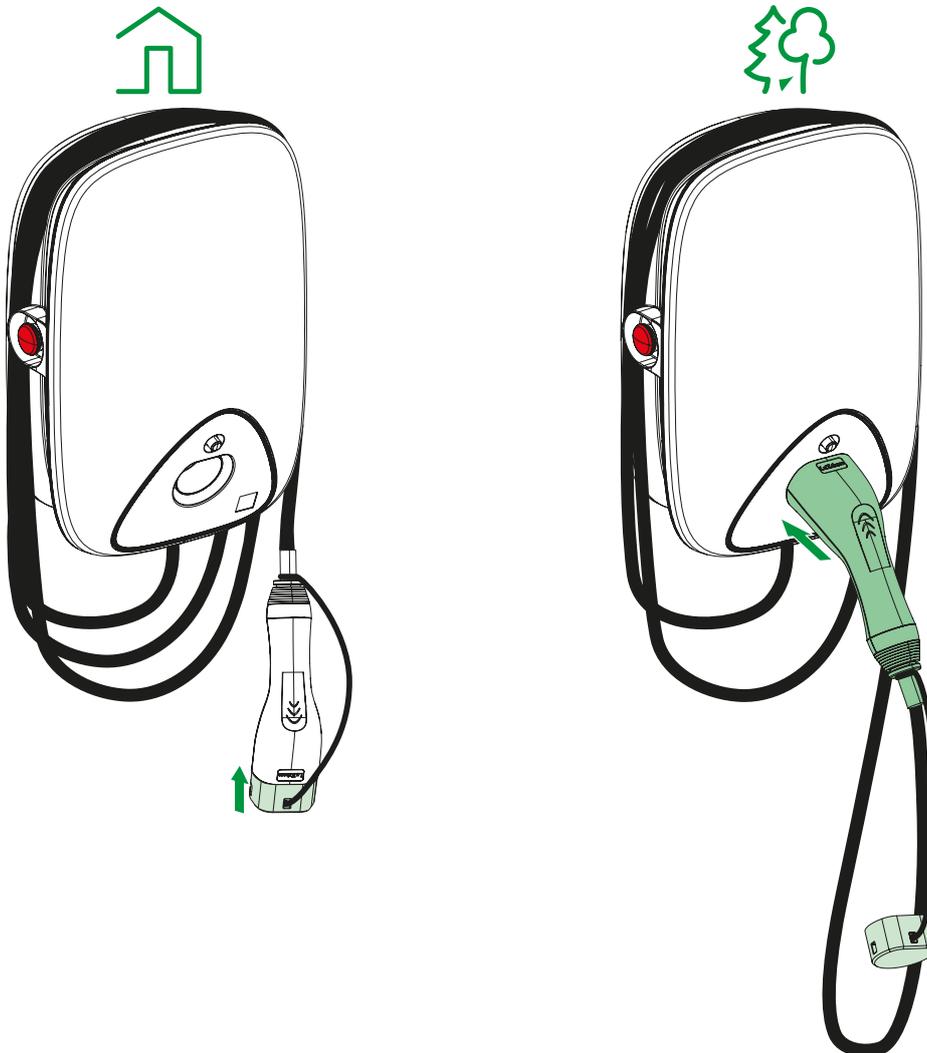
⚠ ⚠ DANGER

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.

- Ensure that the charging connector and charging cable are securely stored between charging sessions.
- Wrap the charging cable around the charging station's cable trough.
- If the EVlink Home is installed **indoors**, protect the connector by covering it with the dust cap.
- If the EVlink Home is installed **outdoors**, store the connector by plugging it into the socket of the charger.



11 Operation

11.1 Connecting the EV charger

1. Connect the charging cable's plug into the EV charger's outlet.
2. Connect the charging cable's connector into the EV's inlet.
3. The charger's indicator LED will change from a **constant green** to **pulsing blue**.

11.2 Disconnecting the electric vehicle

⚠ WARNING

RISK OF INJURY

Do not use brute force to unplug the charging connector from the EV as it is mechanically locked .
Failure to follow these instructions can result in death, serious injury, or equipment damage.

1. Stop the charging session via the EV to unlock the connector.
2. Unplug the charger's connector from the EV's inlet.
3. Wind the charging cable around the EV charger's winding trough.

12 Charger status indicators

LED color	LED behaviour	Charger Status
Green	Constant	Standby
Blue	Pulsing	Charging
Blue	Constant	Charge complete (< 1 A for 20 minutes)
Red	Constant	Fault: please refer to section 14 (Basic troubleshooting)

13 Testing EV charger

- In the absence of an EV, you can check the charging station is working correctly using the EVlink AC charger testing tool (EVA1SADS).
- The EVlink AC charger testing tool (EVA1SADS) is not included with the EVlink Home charging station.



14 Basic troubleshooting

Symptom	Possible causes and solutions
Connector plugged into EV but not charging	<ul style="list-style-type: none"> ■ Verify that the connector was inserted properly by unplugging and plugging it back into the EV's outlet. ■ Verify the charging sequence by following the procedure described in Section 11.
Charger's LED illuminated red	<ul style="list-style-type: none"> ■ Verify that the Emergency Button isn't locked by rotating it 90° clockwise to unlock it. ■ If not, switch off the power supply to the charger, unplug the connector from the EV, reconnect the power supply, wait for the charger to become ready (LED glows green), before reconnecting the connector to the EV. ■ Failing that, check that the power supply is securely wired to the charger's PE (Protective Earth) terminal.
Charger's LED off	<ul style="list-style-type: none"> ■ No power supply. Switch off the power supply to the charger, charger possibly damaged. Please contact Schneider Electric's Customer Care Centre.

15 Recycle



The packaging materials from this equipment can be recycled. The product and all accessories marked with this symbol are electrical and electronic components that must be disposed of separately from household waste.

Please help protect the environment by disposing waste in appropriate containers.
 Thank you for helping to protect the environment.

16 Warranty

Do not open the charger or remove the cover .
 Contractual warranty: 18 months.

