EN - **Copper Socket Business** – Editable with Acrobat Reader (available for PC and Smartphones)

Technician:		Date:	
Customer:		Serial Number:	
Address:		Charger version (SW):	
Vehicle:			

1. Provide photos of the charger, include a clear photo of the inside of the charger both cover and body

2. WallBox Checks

2.1 Is the status led on? ☐ Yes ☐ No Check electric installation and Molex, also if there is any LED on inside

2.2 What is the color of the status LED?
☐Yellow ☐Green ☐Blue ☐Orange ☐Red ☐Turquoise ☐White ☐LED Off ☐Blinking
(review section 5.2. of the Annex)

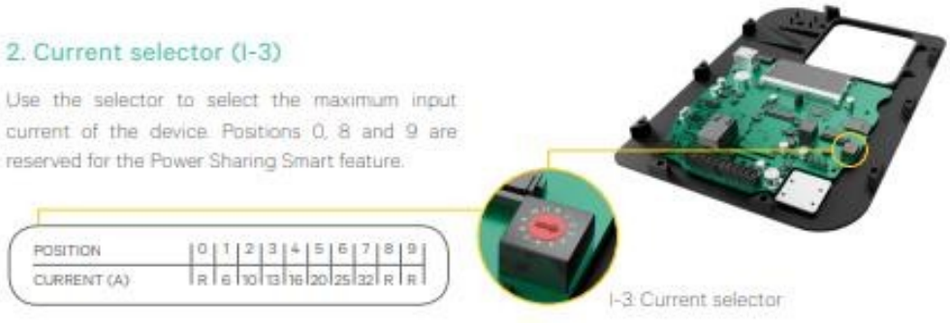
2.3 Is possible to synchronize with Wallbox APP? ☐ Yes ☐No

2.4 Charger appears on nearby devices? ☐ Yes ☐No
(check in the Bluetooth settings of the mobile (Android) or BLE Scanner 4.0 App (Apple))

2.5 Is it conected to internet? ☐WiFi ☐Ethernet 3G/4G ☐No

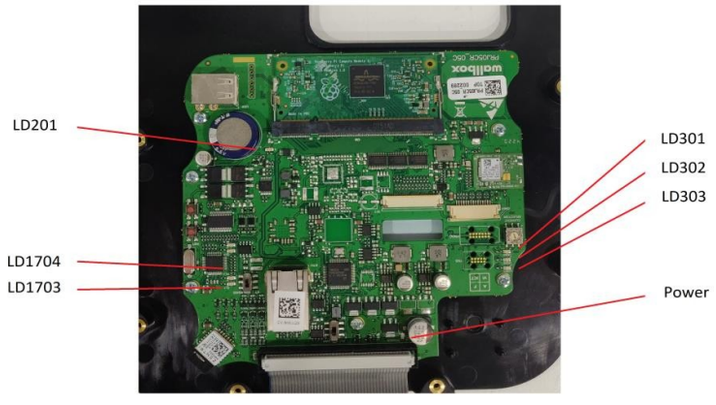
2.6 Is the WallBox making any noise or buzzing? ☐Yes ☐No

2.7 In what position is the current selector? ☐ 0 to 9



2.8 In which state are the LEDs on the Carrier (CR)?

	Blinking	Fix	Off	
POWER LED	☐	☐	☐	Normally on
LD301 RED LED (EPROM)	☐	☐	☐	Normally blinking
LD302 RED LED (EPROM)	☐	☐	☐	Normally off. If blinking, count the number of blinks and make a video
LD303 RED LED (EPROM)	☐	☐	☐	Normally blinking
LD201 GREEN (RPI)	☐	☐	☐	Normally slow blink. When fix check the RPI



2.9 In which position are the switches on the Carrier (CR)?

	T	NT	
CAN BUS	☐	☐	
RS485	☐	☐	(Does not apply for Rev A)

3 Electric Installation

☐ Single-Phase ☐ IT MCB (A) Other:
☐ Bi-Phase
☐ Three-Phase ☐ TT/ TN RCD (Type)

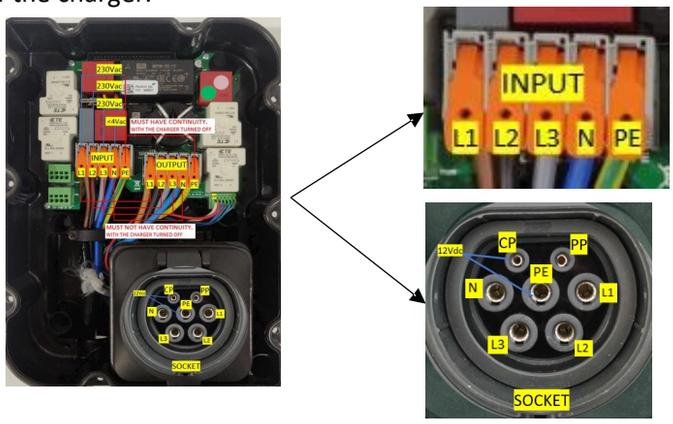
3.1 Earth resistance of the charger instalation:
(Some EV car models do not accept more than 150 Ohm). Ohm

3.2 Voltage measurements on the charger: (review section 5.1. of the Annex)
The measurements in **3.2.1** and **3.2.2** must be carried out **with power supply** to the charger!

3.2.1 Measurements on the power supply of the charger.

N-PE (0Vac)	
N-L1 (230Vac)	
N-L2 (230Vac)	
N-L3 (230Vac)	
PE-L1 (230Vac)	
PE-L2 (230 Vac)	
PE-L3 (230Vac)	
CP-PE (12**Vdc**)	

(12 V in case no error is detected by the charger, as it would measure -12V)



3.2.2 EVgun mesures: (connect a cable to the charger) (review section 5.3. of the Annex)

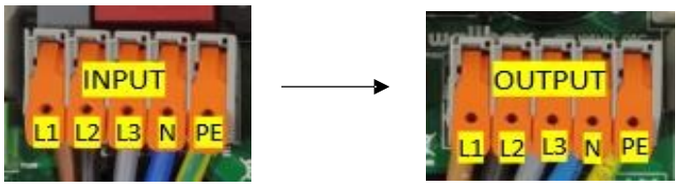
N-PE (0Vac)	
N-L1 (0Vac)	
N-L2 (0Vac)	
N-L3 (0Vac)	
PE-L1 (0Vac)	
PE-L2 (0 Vac)	
PE-L3 (0Vac)	
CP-PE (12**Vdc**)	

(12 V in case no error is detected by the charger, as it would measure -12V)

3.3 Continuity measurements on the charger
The measurements in **3.3.1** and **3.3.2** must be carried out **without power supply** to the charger!

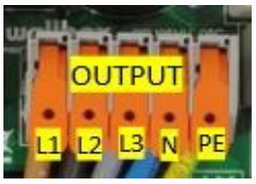
3.3.1 Verification of relays, must be measured between the supply connections and the terminals of the hose output:
There must be no continuity in the lines, only on the ground (PE).

Continuity L1 input - L1 output:	☐Yes	☐No
Continuity L2 input - L2 output:	☐Yes	☐No
Continuity L3 input - L3 output:	☐Yes	☐No
Continuity N input - N output:	☐Yes	☐No
Continuity PE input - PE output:	☐Yes	☐No



3.3.2 EVgun cable continuity: should be measured between the EVgun pins and the hose output terminals:(connect a cable to the charger)

Continuity L1 EVg - L1 output: ☐ Yes ☐No
Continuity L2 EVg - L2 output: ☐ Yes ☐No
Continuity L3 EVg - L3 output: ☐ Yes ☐No
Continuity N EVg - N output: ☐ Yes ☐No
Continuity PE EVg - PE output: ☐ Yes ☐No
Continuity CP EVg - CP output: ☐ Yes ☐No



3.4 More details of the place of installation (eg, it is at the end of the line, there is heavy machinery nearby, it is located in an industrial area, ...)

4. Resume

4.1 Spare part needed?

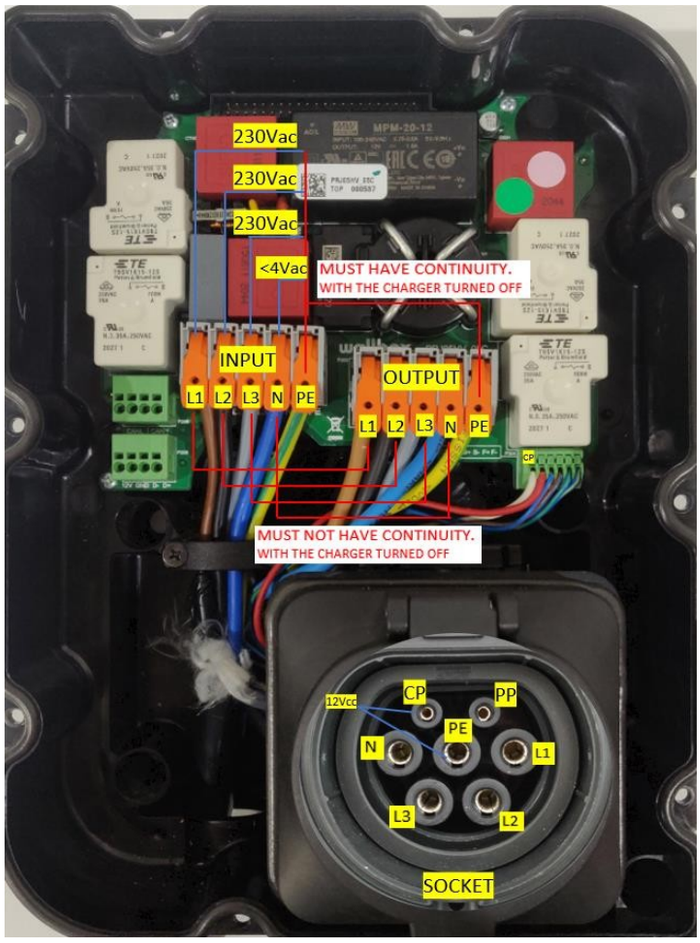
☐ COVER ☐EV Gun ☐Complete Unit

☐ PCB HV&PS ☐PLAIN CABLE ☐Plastics

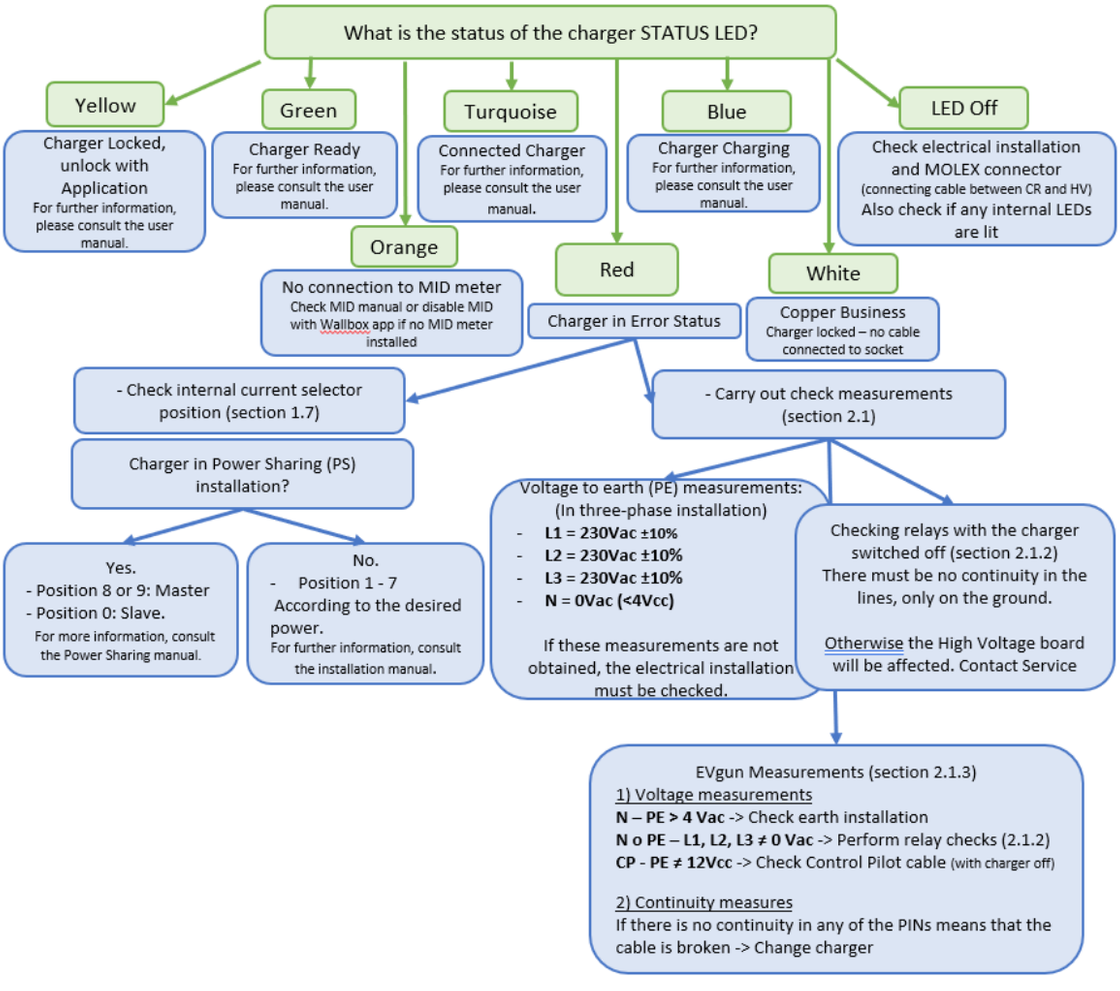
4.2 Fault description:

5 Annex

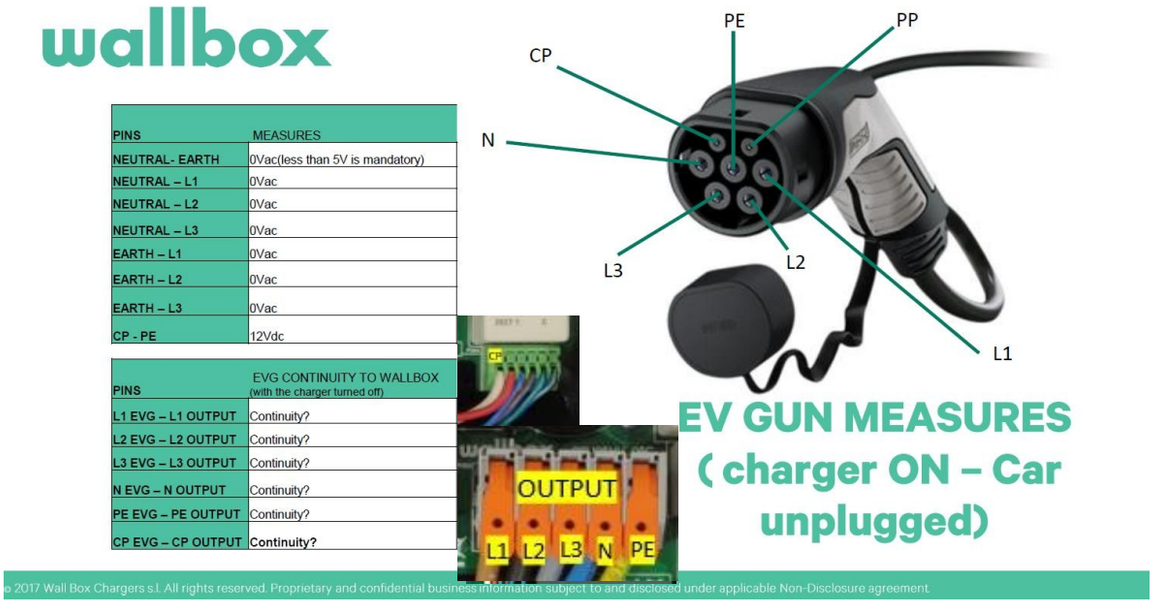
5.1 PCB's wiring



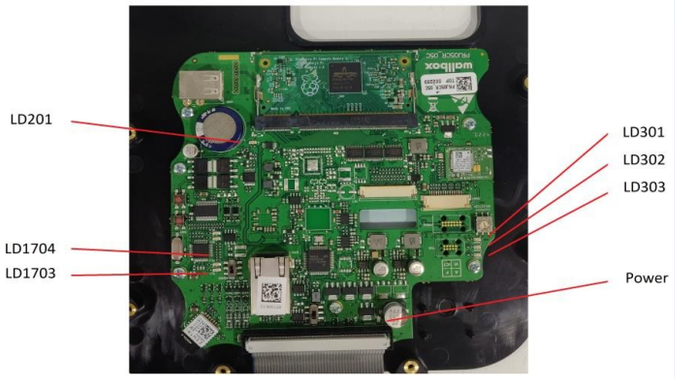
5.2 LED status



5.3 EVgun measurements:

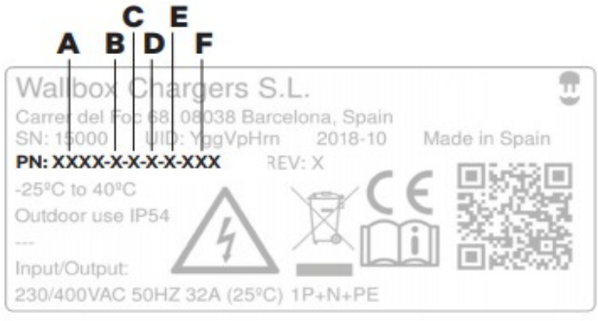


5.4 LEDs status on the Carrier (CR)



Nº LED	Function	Expected behaviour	Status	Action (if the led does not have the expected behaviour)
1 **LD301**	Modbus Comm between RasPi and TMS.	Red – Every 250ms is ON shortly	If never blinks, there is no Comm between TMS and RasPi last around 30 sec to power on	make RESTORE + UPDATE (consult user manual) If the incident continues contact Service.
2 **LD302**	Error Control LED	Off	Normally off - if blinking indicates error	if it blinks, make a video where it is possible to count the number of blinks per interval
3 **LD303**	Heart Beat	Red – Blink every 1s	Alive	Check electrical installation and MOLEX connector
8 **LD201**	RasPi Access external memory	Green – ON shortly every few seconds	If no blinking or fixed, the RasPi is not functioning as expected	With the charger turned off. Remove the RasPi and reintroduce it into its lane.
9 **POWER**	Power	Red – Always ON	If it is not fixed there is a problem with the Power Supply	Check electrical installation and MOLEX connector

5.5 Product code



	Code	Definition
A Model	CPB1	Copper SB
B Cable	S	Socket
	W	Socket with shutter
C Connector	2	Type 2
D Power	3	11 kW
	4	22 kW
E Additional Feature	8	RFID + DC Leakage
F Custom	XX2	Black

WARNING:
High voltage.
Caution when the charger is power on.

Wallbox only recommends performing any manipulation of the charger by a technician / professional.
Wallbox assumes no liability for (personal injury or unit damage) that could result from a false manipulation of the device.