

# RED

Recovery Equipment Direct

[www.red-bhw.com](http://www.red-bhw.com)

## Emergency-plug

**The simple solution to immobilising any plug-in electric vehicle.**

By placing the Emergency-plug in the charging socket of the casualty vehicle, the Emergency-plug will communicate with the vehicle's software by making the car think it is being charged. As a result of this, it will not be possible to operate the vehicle, or put the vehicle into motion.

Emergency-plug creates a safe environment around EV's for anyone working close by.

The Emergency-plug is equipped with two different plug types to fit any plug-in hybrid or full EV.



Type-1



Type-2



**The Emergency-plug is certified and safe to use, because you do not touch the high voltage circuit of the vehicle.**

It conforms to UN ECE R100 standard that every plug-in EV complies to.

### Using the Emergency-plug:

- First activate the Emergency-plug by pushing the button on top, the plug now carries out a multi-coloured self-test and flashes green when ready.  
*If the emergency plug has a red light or flashes please consult the manual and do not use the plug.*
- When the plug has conducted a positive self-test, open the charging point of the vehicle, to open charging port of a Tesla, simply push the button on top of the Emergency-plug,.  
*The Tesla port will not open if the car is still in drive mode.  
If you're not able to open the charging port use the red lever that comes with the Emergency-plug to pry open the charging port you don't need to use a lot of force to do so.*
- Plug the Emergency-plug light in to the charging port of the car and push it firmly in, when the Emergency-plug flashes blue the vehicle is secured and can not be put into motion.

**The Emergency-plug cannot be locked against removal.**

Normally when a charging plug is inserted, it will lock itself. The Emergency-plug cannot be locked and is therefore always removable even if the power is off.

**The Emergency-plug has the possibility of firmware updates.**

Because technology moves quickly, the Emergency-plug has the possibility to update its software when there is a change in values in the automotive industry. Reading out for an annual inspection is also an option.

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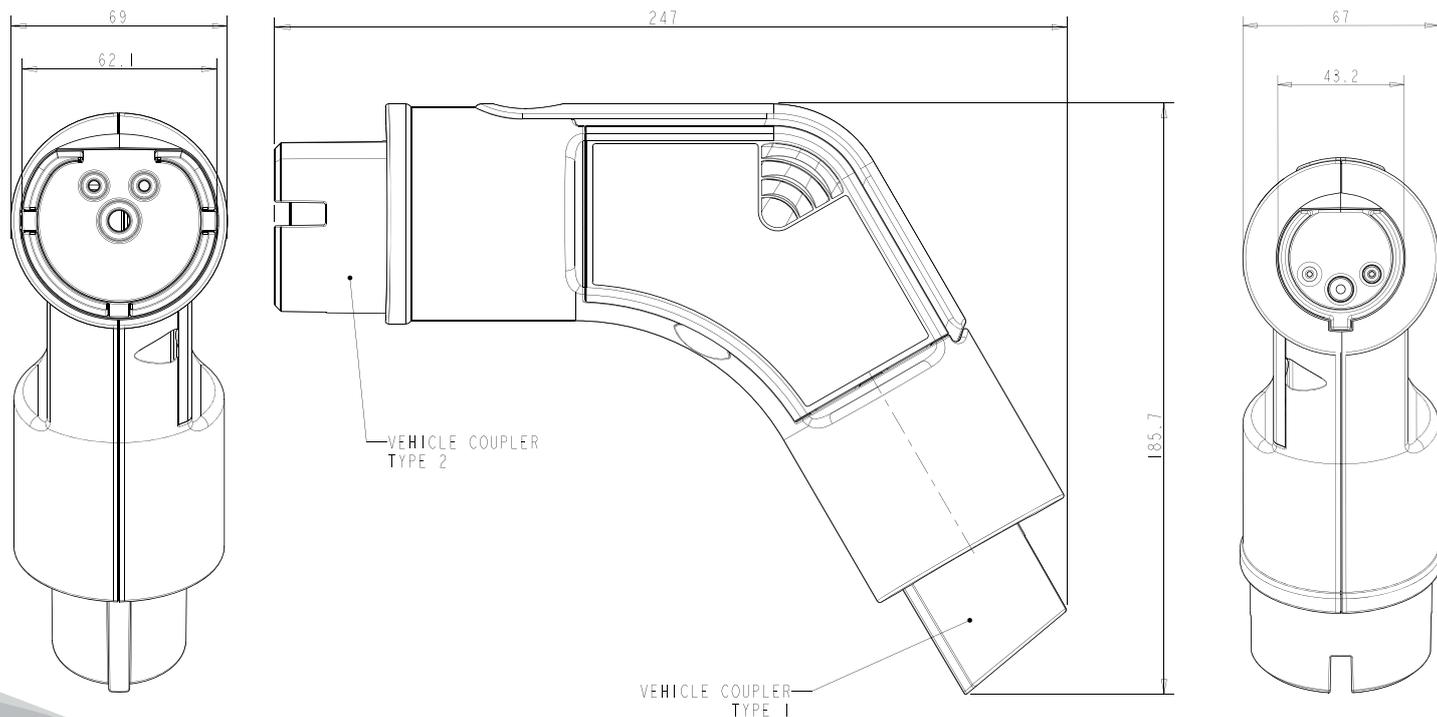


CERT. No. 1769



		
 TYPE 1 J1772	✓	✗
 TYPE 2 MENNEKES	✗	✓
 CCS1	✓	✗
 CCS2	✗	✓
 TYPE 1 J1772 & CHAdeMO	✓	✗
 TYPE 1 J1772 & GB/T	✓	✗
 TYPE 1 J1772 & SUPERCHARGER	✓	✗
 TYPE 2 MENNEKES & CHAdeMO	✗	✓
 TYPE 2 MENNEKES & GB/T	✗	✓
 TYPE 2 MENNEKES & SUPERCHARGER	✗	✓

- **Nominal input:** 4,5 VDC
- **Dimensions (L x W x H):** 247 x 186 x 69 mm
- **Battery:** 3x AA
- **Operating Weight:** 0,475 kg (+ 0,01)
- **Weight (ex. Battery):** 0,400 kg (+ 0,01)
- **IP-rating:** IP 44
- **Used fitting:** Type 1 & Type 2
- **Case dimensions (L x W x H):** 280 x 330 x 82 mm



## FAQ on the Emergency Plug

### **What exactly does the Emergency plug do?**

The Emergency plug provides the car with a charging signal. As a result, the car is under the impression that it is charging, this automatically causes a plug-in car to leave the D (drive mode) and automatically puts itself in the P (park) or N position (neutral).

### **What is the purpose of the Emergency plug?**

The idea of the Emergency plug is so that emergency responders, garage owners, etc. can work safely in and around electric and plug-in hybrid vehicles. The Emergency plug makes it impossible for the e-vehicle to drive.

### **Can you detect/hear that an electric car is in drive & operational?**

No, because you cannot detect whether an electric car is operational, therefore the working environment for emergency responders is extra difficult and dangerous. The emergency responder does not hear whether the car is going into drive and / or is operational. When you place the Emergency plug in the socket, the car can no longer be operational and therefore no unexpected movements can occur.

### **For whom is the Emergency plug designed for?**

For anyone who works safely in or around an electric or plug-in-hybrid car.

### **Why is there LED lighting attached to the Emergency plug?**

This is an additional safety tool to show the user that the Emergency plug emits the correct values so that the car will no longer move (green) and that the Emergency plug connects to the vehicle (blue).

### **Does the Emergency plug make the car powerless?**

No the Emergency plug does not make the car powerless, all electrical functions are still operational and can be used accordingly.

### **Are other electrical functions still operational for use when the Emergency plug is installed?**

You can continue to operate all electrical functions. This is a great advantage when an emergency responder, for example, must be able to operate the windows and / or seats.

### **Does the Emergency plug cause damage to the car?**

No, the Emergency plug does not cause any damage to the car or electronics.