

## Installation and operating instruction

Wallbox electrify eBox

for electric & hybrid vehicles

Type: wr30-R / wr30-L (Design Right / Left)

Version: 01.2021

 electrify





hesotec electrify gmbh  
Rubbertskaath 34  
46539 Dinslaken / GER

HR - Nr. HRB 31112 AG Duisburg  
St. - Nr. 101 / 5707 / 2333  
UID - Nr. DE320783037

Phone +49(0) 2064 / 60 105 - 60  
Fax +49(0) 2064 / 60 105 - 50

Web [electrify.hesotec.de](http://electrify.hesotec.de)  
Mail [electrify@hesotec.de](mailto:electrify@hesotec.de)

## Contents

<b>1</b>	<b>Important Information and safety instructions.....</b>	<b>1</b>
1.1	Foreword .....	1
1.2	General safety instructions .....	1
1.3	Safety instructions in this manual.....	2
<b>2</b>	<b>Product overview and dimensions.....</b>	<b>3</b>
2.1	Type Plate .....	3
2.2	eBox wr30 Charging Unit .....	3
2.3	eBox wr30 Cable Mount Standard (Spare part) Art. 00010065 .....	4
2.4	eBox Wall Adapter Art. 00010063.....	5
2.5	eBox Cable Wall Mount electrify (Accessory) Art. 00010064 .....	6
2.6	Technical Data.....	7
<b>3</b>	<b>Installation .....</b>	<b>9</b>
3.1	Demands on Location of electrify eBox wr30.....	9
3.2	Installation the electrify eBox wr30.....	10
3.2.1	Mounting the "Standard" cable holder .....	10
3.2.2	Mounting on the wall .....	12
3.2.3	Mounting with Wall Adapter .....	14
3.3	Electrical Installation .....	15
3.3.1	Electrical Installation of the eBox wr30 .....	16
3.3.2	Connection of the digital inputs.....	17
<b>4</b>	<b>Operation .....</b>	<b>18</b>
4.1	Control Element.....	18
4.2	LED indicator.....	18
4.3	Charging Process .....	20
4.3.1	Charging unit without authorization (Plug and Charge) .....	20
4.3.2	Charging unit with RFID authorization .....	21
4.3.1	Charging unit with App Authorization (electrify Control Center).....	22
<b>5</b>	<b>Troubleshooting .....</b>	<b>23</b>
5.1	Troubleshooting .....	23
5.2	Repair work .....	24
<b>6</b>	<b>Maintenance / Disposal .....</b>	<b>25</b>
6.1	Maintenance.....	25
6.2	Disposal .....	25
<b>7</b>	<b>Appendix .....</b>	<b>26</b>
7.1	CE-Label and Declaration of Conformity .....	26
<b>8</b>	<b>Notes .....</b>	<b>27</b>

# 1 Important Information and safety instructions

## 1.1 Foreword

We are pleased that you have chosen the electrify eBox wr30 of hesotec electrify. With hesotec electrify, e-mobility is no longer a dream of the future but a reality.

With the electrify eBox you invest in an innovative technology, connected with a sophisticated design and robust compactness. Thanks to the modular and scalable design, it is not only possible to stylishly load on your own doorstep. It is also possible to offer individual complete solutions for companies.

The charging unit complies with all existing safety guidelines and standards.

Read this installation and operating instructions completely before you start with the installation and commissioning. Keep these instructions carefully for future questions.

## 1.2 General safety instructions

To ensure proper installation and safe operation, follow the safety instructions given in this manual. Improper handling or non-compliance with the safety instructions may result in damage to the device itself, serious injury, fire or death. It is also advisable to ensure that every user of the charging unit has access to content-related aspects about operation and in particular to safety instructions.

The installation, commissioning and maintenance of the electrify eBox may only be carried out by a qualified electrician. The operation of the loading unit may only be carried out after a technically perfect installation with subsequent acceptance. Faults and repairs that lead to damage to persons, to the device itself or other consumers may only be carried out by qualified specialist personnel.

In case of malfunctions and malfunctions due to a faulty installation, first contact the company that carried out the installation. If the problem persists, contact the hesotec electrify hotline.

Phone +49(0) 2064 / 60 105 – 60

Mail [electrify@hesotec.de](mailto:electrify@hesotec.de)




hesotec electrify assumes no liability for the following cases in the event of personal injury or property damage:

- Disregard of the installation and operating instructions
- Installation of unqualified technical personnel
- Structural alterations to the charging station
- Configuration changes of the charge controller
- Improper handling
- Use of unauthorized spare parts or accessories

### 1.3 Safety instructions in this manual

This manual contains essential information for the installation and commissioning of the electrify eBox charging station of hesotec electrify. The following safety instructions are essential to be read and followed.

The warnings contained in this installation and operating manual must be observed with great care. The meaning of the individual markings is described below:

Mark	Meaning
	<p><b>DANGER !</b></p> <p><b>Safety note on a hazard with electrical voltage</b></p> <p>Non-observance of the instructions may result in electrical damage to the device itself, serious injury, and death.</p>
	<p><b>ATTENTION !</b></p> <p><b>Safety information on a hazard</b></p> <p>Non-observance of the instructions may result in damage to the device itself or other consumers. Execution with special care!</p>
	<p><b>NOTE !</b></p> <p><b>Important information and special features</b></p> <p>For a successful operation, the instructions should be carried out as needed.</p>

## 2 Product overview and dimensions

In this chapter you will get an overview of product information with the necessary dimensions for the optimal planning and preparation.

### 2.1 Type Plate

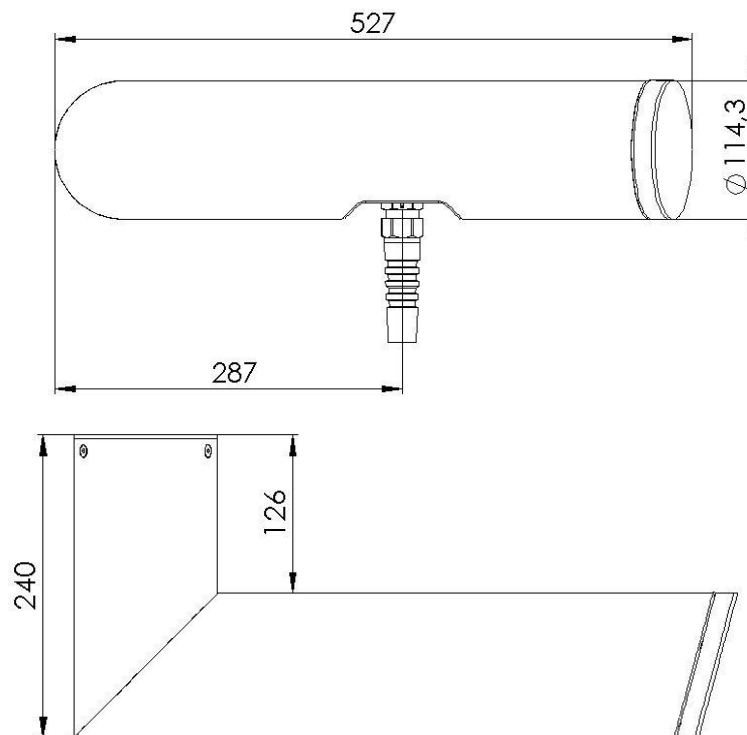


#### Information on the type plate

- Manufacturer
- Series
- Model
- Power
- Serial number
- Manufacturing date
- Rated current
- Nominal voltage
- Nominal frequency
- Power supply
- Protection class

### 2.2 eBox wr30 Charging Unit

The purchased electrify eBox is already fully assembled and delivered after successful quality control. The eBox wr10 can be mounted directly on the wall when the cable is under plaster. With a line lying on plaster, the installation is carried out with the aid of the adapter, which can optionally be purchased as an accessory.

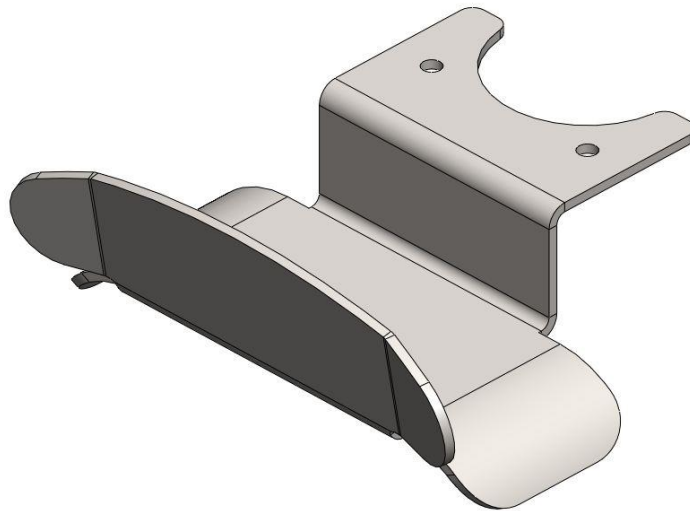


electrify eBox wr30-R: dimensions (measuring unit mm)

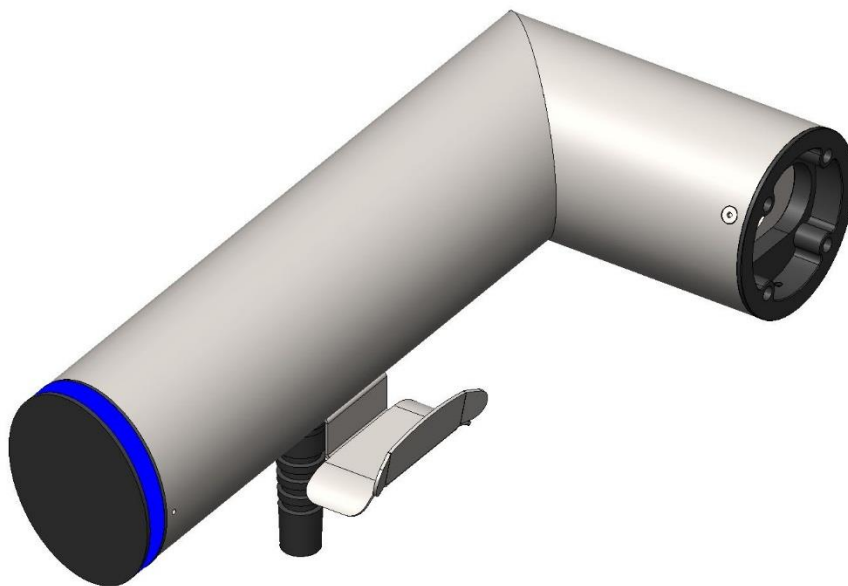
### 2.3 eBox wr30 Cable Mount Standard (Spare part) Art. 00010065

Another option for hanging the charging cable is the spare part "cable holder". It is mounted on the underside of the eBox wr30 so that it is on the inside or outside.

**(Note: please note the assembly instructions in 3.2.1)**



**Cable mounting for installation on eBox wr30**



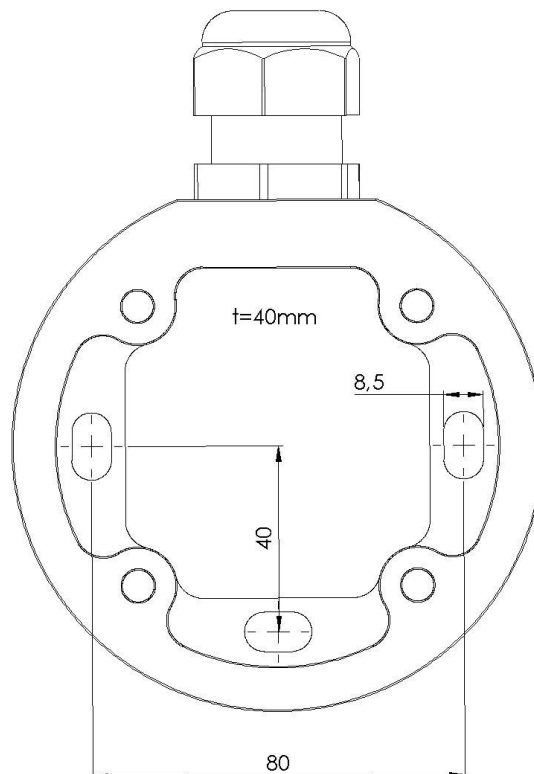
**Mounting example of the cable holder (inside)**

## 2.4 eBox Wall Adapter Art. 00010063

For the installation of the electrify eBox wr30, with cables on the wall, hesotec electrify recommend the included wall adapter. This adapter is designed so that the assembly can be rotated by 90°. Thus, the duct of lying on plaster cable remains flexible.



**eBox wall adapter for cables on the wall**



**Dimension of the drilling points (measuring unit mm)**

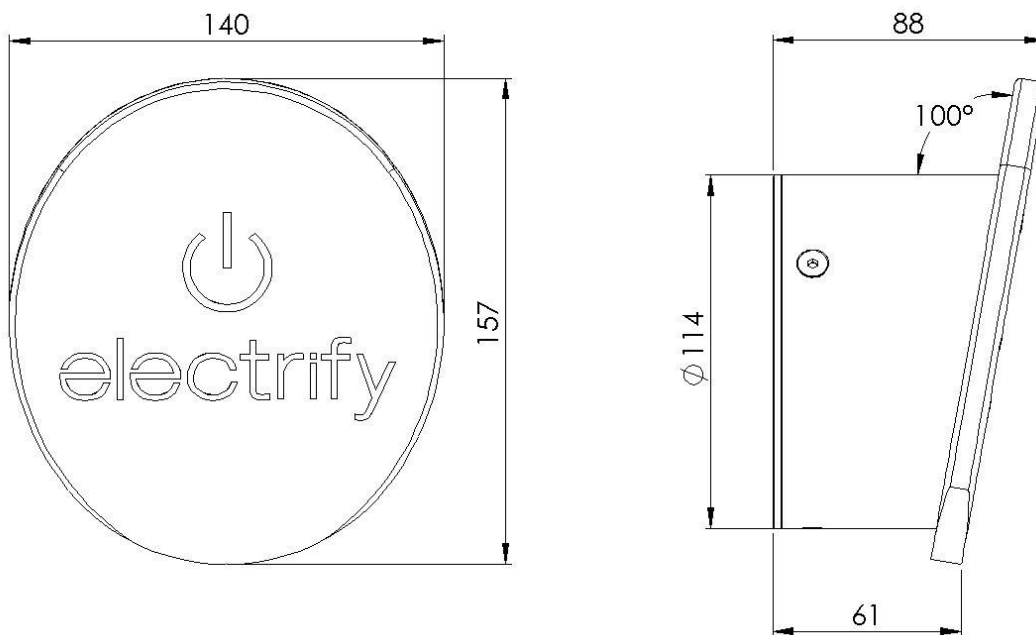


## 2.5 eBox Cable Wall Mount electrify (Accessory) Art. 00010064

For attaching the charging cable, hesotec electrify offers a wall mount as accessory. This can optionally be ordered in the matching design for the loading unit.



**eBox cable wall mount for charging cable**



**Cable wall mount: dimensions (measuring unit mm)**

## 2.6 Technical Data

### eBox wr30 Base 11kW / 22kW

<b>Vehicle connection (output)</b>	
1 x Charging plug type 2 with fixed cable	20 A* / 32 A, length about 4 m
Output voltage	230 / 400 V
Maximum charging current	16 A* / 32 A
Maximum charging power	11 kW* / 22 kW
Shutdown	All poles
<b>Components</b>	
DC fault current detection	electronic, $I_{\Delta n}$ d.c. $\geq 6$ mA
Load contactor	4-pole with contact monitoring
Protection class	IP54
<b>Communication</b>	
Interface	WLAN, Digital Input
Protocol	eCCP, Modbus TCP
Authorization	APP, RFID, Plug & Start
<b>Requirement power connection</b>	
Mains connection	5 x 4 mm <sup>2</sup> * / 5 x 6 mm <sup>2</sup>
Rated voltage	230 / 400 V
Rated current	16 A* / 32 A
Safeguarding	20 A* / 32 A, 3-poles, B-characteristics
AC fault current detection	RCCB, Type A, 30mA
<b>Dimensions</b>	
Width	530 mm
Diameter	114 mm
Depth	240 mm (with wall adapter 280 mm)

\*) Technical data for a maximum charging power of 11 kW

**eBox wr30 Smart 11kW / 22kW**

<b>Vehicle connection (output)</b>	
1 x Charging plug type 2 with fixed cable	20 A* / 32 A, length about 4 m
Output voltage	230 / 400 V
Maximum charging current	16 A* / 32 A
Maximum charging power	11 kW* / 22 kW
Shutdown	All poles
<b>Components</b>	
DC fault current detection	electronic, $I_{\Delta n}$ d.c. $\geq 6$ mA
Load contactor	4-pole with contact monitoring
Protection class	IP54
Energy meter	Type PX EEM 357
<b>Communication</b>	
Interface	WLAN, LAN, Digital Input
Protocol	eCCP, OCCP 1.6J, Modbus TCP
Authorization	APP, RFID, Plug & Start
Management	APP statistics, Chargemanagementsystem (eLMS)
<b>Requirement power connection</b>	
Mains connection	5 x 4 mm <sup>2</sup> * / 5 x 6 mm <sup>2</sup>
Rated voltage	230 / 400 V
Rated current	16 A* / 32 A
Safeguarding	20 A* / 32 A, 3-poles, B-characteristics
AC fault current detection	RCCB, Type A, 30mA
<b>Dimensions</b>	
Width	530 mm
Diameter	114 mm
Depth	240 mm (with wall adapter 280 mm)

\*) Technical data for a maximum charging power of 11 kW

## 3 Installation

### 3.1 Demands on Location of electrify eBox wr30



#### **DANGER !**

##### **Safety note on a hazard with electrical voltage**

Pay attention to a proper installation. Non-observance of the requirements leads to a danger with electric voltage.

The electrify eBox charging station is for outdoor and indoor use designed. For the installation of the loading unit, regulations regarding the location of installation must be ensured. Only in this way safe operation can be guaranteed.

The following requirements must be met:

- No installation in vulnerable areas with a high risk of flooding.
- No installation in vulnerable areas with a risk of explosion.
- Enough distance to other technical equipment.
- Select installation location so that the charging station can be reached easily with the parked vehicle (charging cable must not be strained during charging operation!).
- No direct spray water.
- Ambient temperature between -25 °C and 45 °C (-13°F and 113°F).
- For installation of low-voltage systems, the specifications IEC 60364-1 and IEC 60364-5-52 must comply.
- In order to withstand mechanical stresses, the mounting surface must be designed with sufficient strength.
- Make sure that the power supply is sufficiently dimensioned. Note that the sizing does not exceed the slot of the cable routing of the socket. (Information on power connection: see technical data)



#### **NOTE !**

##### **Important information and special features**

Avoid a confusing installation location to prevent unnecessary damage to the charging station.

While selecting the location of the charging unit, remember to avoid a possible knock down of the charging station. If necessary, set up a collision protection. Also avoid placement near entry and exit points. Mount the charging unit so that the use of rescue vehicles is not restricted.

## 3.2 Installation the electrify eBox wr30



### DANGER !

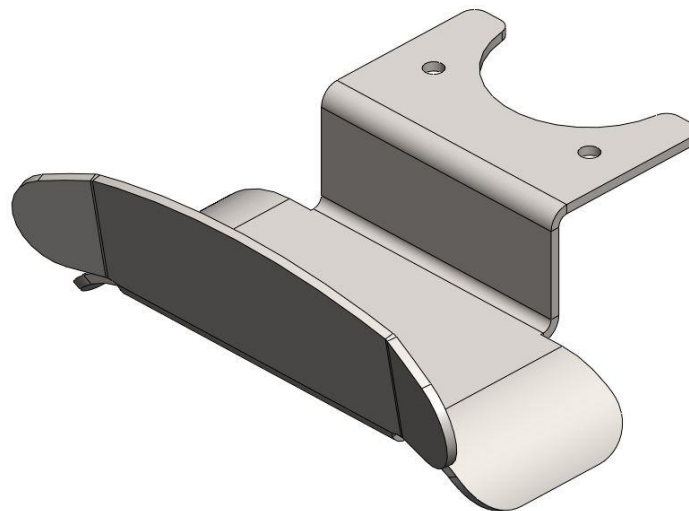
#### Safety note on a hazard with electrical voltage

Make sure that the cables are de-energized at the time of installation. Failure to observe the safety instructions can lead to a risk of mortal danger due to electrical voltage.

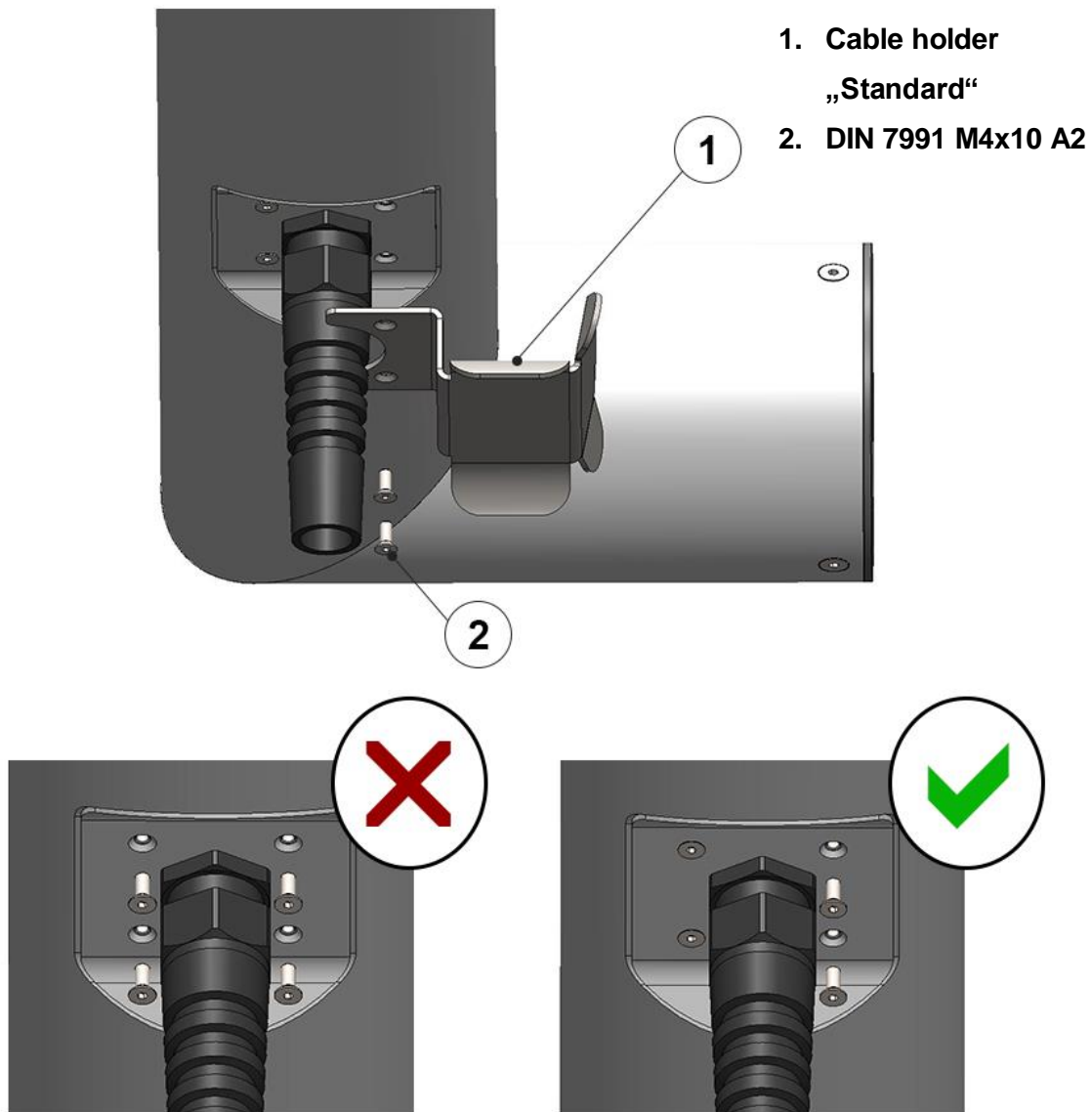
The installation of the electrify eBox wr30 can be done indoors as well as outdoors and should be carried out by qualified personnel. The respective dimensions can be found in the respective subchapters. **Make sure that the cables are de-energized at the time of installation!**

### 3.2.1 Mounting the "Standard" cable holder

The "Standard" cable holder is supplied loose. It can be mounted on the underside of the eBox wr30, facing forwards or backwards, as required.



Cable holder „Standard“



Installation example of the cable holder (inside)



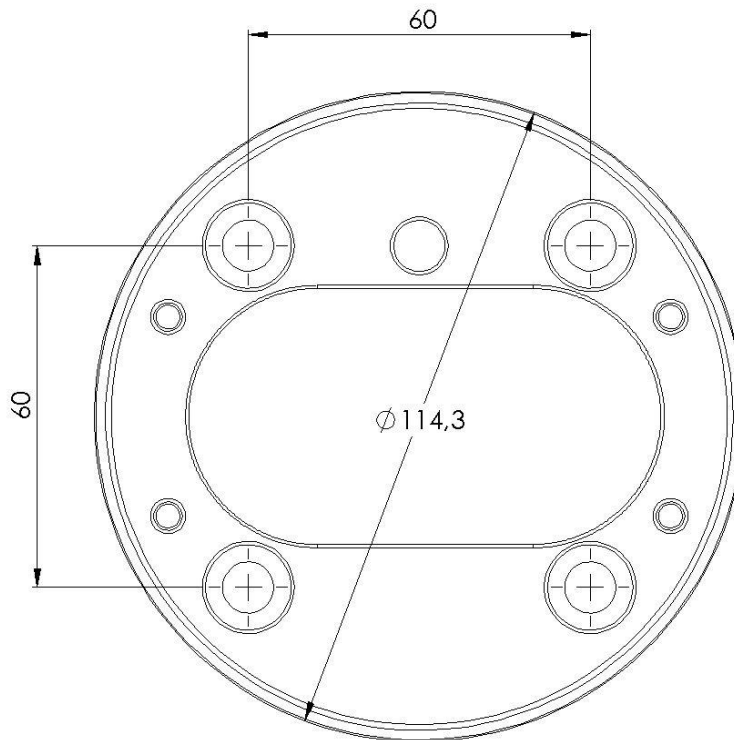
**NOTE !**

**Important information and special features**

To change the cable holder to the front or back of the eBox wr30, never loosen all 4 countersunk screws at the same time. Please always keep at least two of the screws attached.

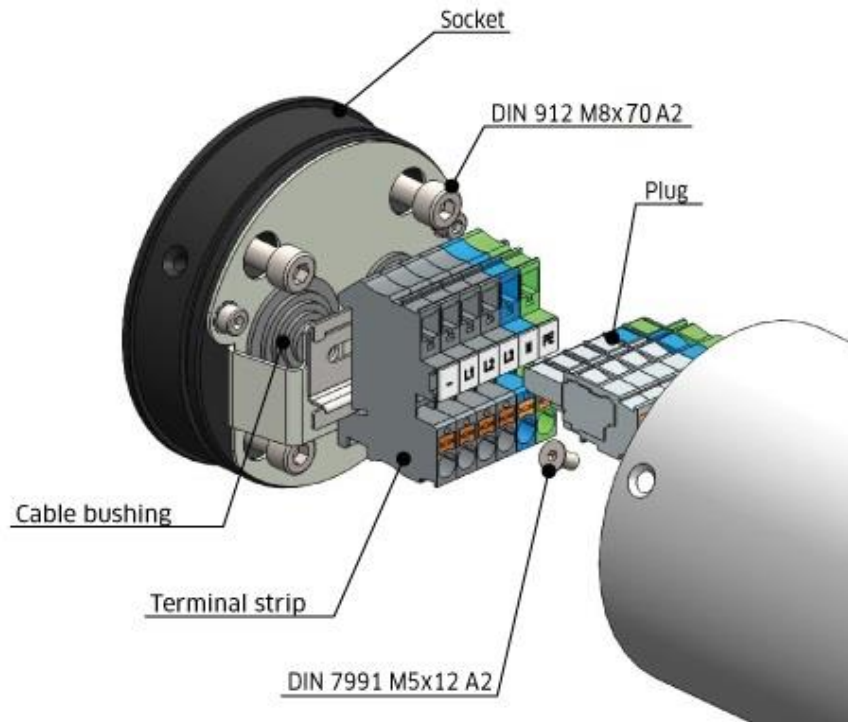
### 3.2.2 Mounting on the wall

The dimensions for attaching the eBox to the wall are shown in the following drawing. Make sure that the charging unit is mounted so that the supply lines can be passed through the corresponding recesses. Use the mounting hardware included in the scope of delivery for installation. **(Note: wall must have sufficient strength!)**



**Dimensions of mounting points (measuring unit mm)**

The electrify eBox is already preassembled in the factory. To mount the charging unit to the wall, proceed as follows:



#### Mounting charging unit

1. First loosen the 3 side screws at the lower end of the charging station.  
**(similar to DIN 7991 M5x12 A2)**
2. Then gently pull the black socket out of the charging station.
3. Place the base on the existing wall and adjust it.
4. Mark the drill holes according to the drawing.
5. Drill the previously marked holes (**∅ 10 mm**). Use the included mounting kit for mounting. Make sure that the fixing dowels are sunk into the foundation and do not protrude above.
6. Feed the supply cable through the cable gland of the base and screw the base with the screws provided. **(DIN 912 M8x70 A2)**
7. Before screwing the charging unit to the base, read the chapter "**3.3.1 Electrical Installation of the eBox wr30**".
8. After the successful electrical installation, place the charging unit on the base and screw it with the 3 lateral screws. **(similar to DIN 7991 M5x12 A2)**



### 3.2.3 Mounting with Wall Adapter



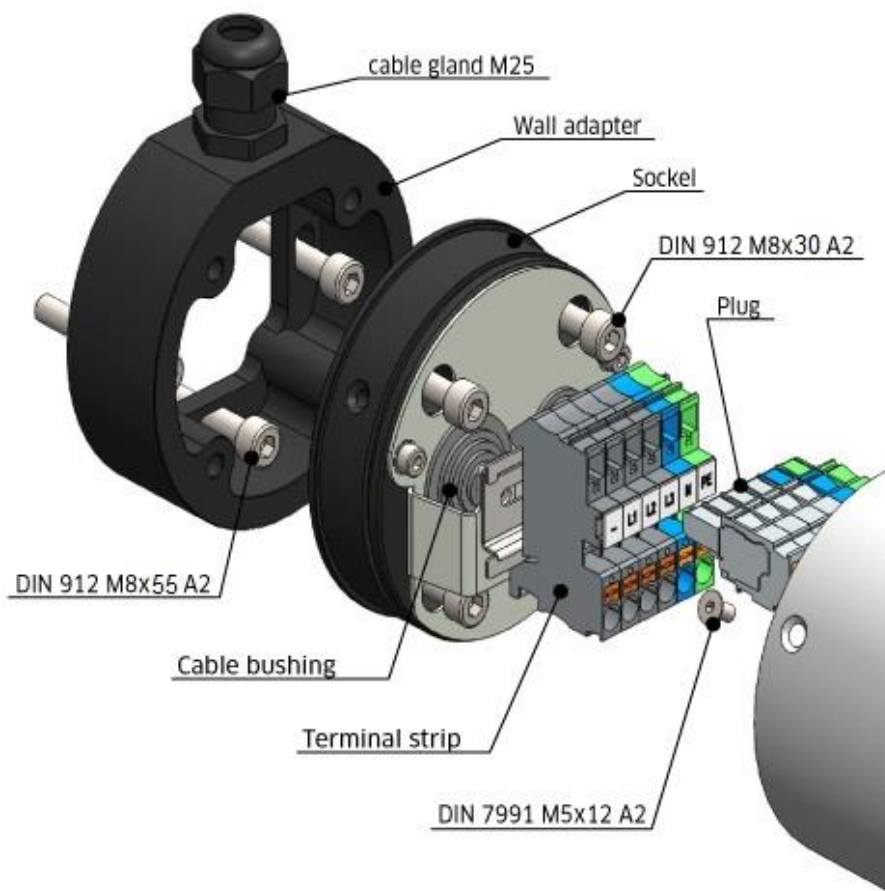
#### NOTE !

#### Important information and special features

For safe and stable mounting of the charging unit with cables on the wall, we recommend the wall adapter form hesotec electrify.

If the cable is on the wall, we recommend a mounting with the wall adapter. This is included in delivery.



Follow the steps below to install the wall adapter:



#### Installation of charging unit with wall adapter

1. Position the wall adapter in the desired location and mark the positions of the holes.
2. Drill the previously marked mounting holes (**∅ 10 mm**) and use the supplied mounting kit for mounting.
3. Now screw the wall adapter to the wall and guide the supply cable through the cable gland. Use the screws included in the delivery.
4. The loading unit can be mounted as already described in chapter 3.2.2

### 3.3 Electrical Installation


	<p><b>DANGER !</b></p> <p><b>Safety note on a hazard with electrical voltage</b></p> <p>Make sure that the cables are de-energized at the time of installation. Failure to follow the instructions may result in a risk of death due to electrical voltage.</p>
	<p><b>ATTENTION !</b></p> <p><b>Safety information on a hazard</b></p> <p>Failure to follow the instructions may result in damage to the device itself or other consumers. Execution with special care!</p>

The electrical installation of the charging unit electrify eBox wr30 may only be carried out by qualified personnel. When installing the electrical system, make sure that the cables are not damaged or crushed. These could interfere with the functions in later use, cause defects or even cause a fire.

The following table shows the connection diagram of the connection point between the ground side supply line and the charging unit cables including the functional description.

Supply Line Wall		Terminal Strip	Charging Unit	
Color	Function	Label	Color	Function
-	-	LR	black	Phase for power supply / charge controller
brown	Phase 1	L1	brown	Phase 1
black	Phase 2	L2	black	Phase 2
grey	Phase 3	L3	grey	Phase 3
blue	Neutral conductor	N	blue	Neutral conductor
green/yellow	Protective conductor	PE	green/yellow	Protective conductor

Connection diagram terminal strip electrify eBox wr30

	<p><b>NOTE !</b></p> <p><b>Important information and special features</b></p> <p>Please take the requirements of the power connection from the technical data sheet in chapter 2.6.</p>
---	---

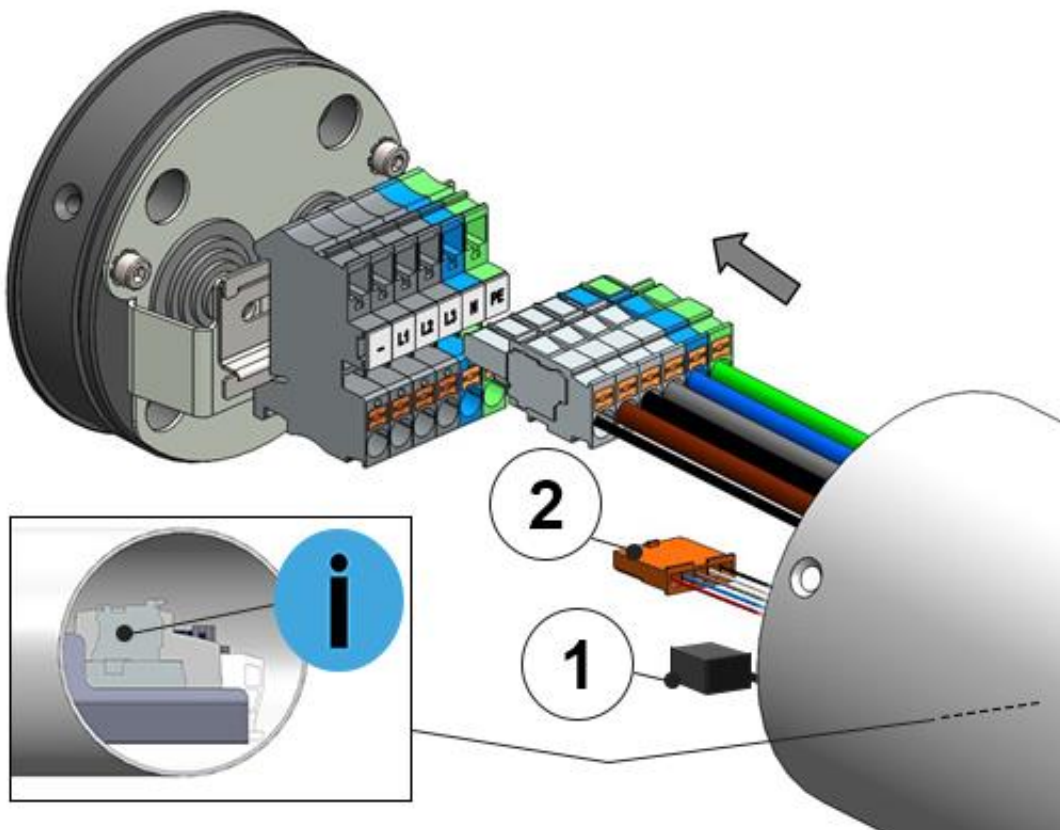
### 3.3.1 Electrical Installation of the eBox wr30

The electrify eBox wr30 is already preassembled in the factory and wired electronically. All you have to do is connect the supply line to the connection socket.

For the electrical installation of the charging station, proceed as follows:

1. Connect the 5-wire cable coming from the ground to the terminal strip according to the terminal label. **(L1, L2, L3, N, PE)**
2. Insert the plug coming in from the charging station into the terminal strip.

**Note:** Depending on the equipment, the LAN connection (item 1) is in the Charging column (see data sheet in chapter 2.6.). Digital inputs (item 2).



Wiring the electrify eBox wr30 charging unit



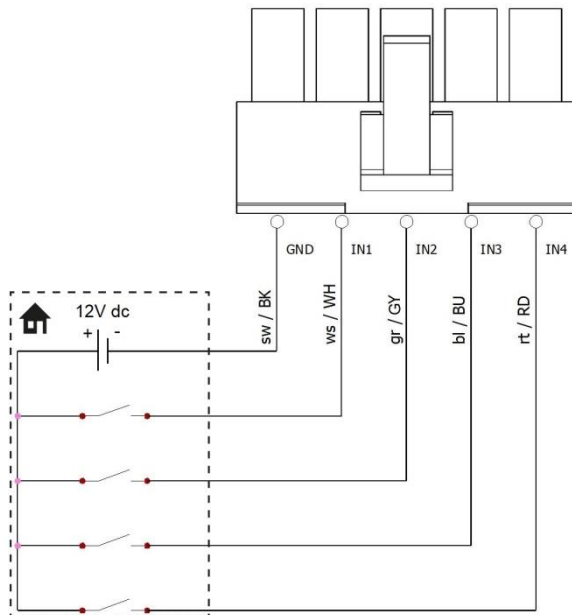
#### NOTE !

##### Important information and special features

The cable LR of the 22kW version is provided with a fuse (G-fuse link 5X20mm 10A).

### 3.3.2 Connection of the digital inputs

The electrify eBox charging unit is equipped with an interface for digital inputs. With the digital inputs, you have the option of reducing the charging power to 75%, 50%, 25% or switching the charging station to the break mode. The wiring of the individual inputs is shown in the graphic below.



- Break ➔ IN1
- Charging power 75% ➔ IN2
- Charging power 50% ➔ IN3
- Charging power 25% ➔ IN4

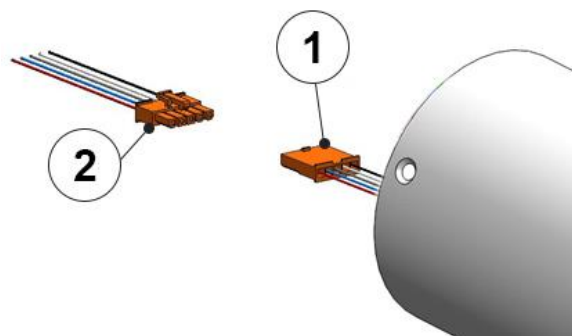
**⚡ ATTENTION!**  
**Safety notice of a danger**

The digital inputs are connected with an external 12V dc power supply.

Failure to observe the voltage will damage the device.


#### Connection drawing of the digital inputs

To use the digital inputs, use the cable adapter included in the scope of delivery. The installation location is shown in the following illustration.



1. Connector for digital input
2. Cable adapter for digital input

#### Plug connection of the digital inputs



**ATTENTION!**

**Safety notice of a hazard**

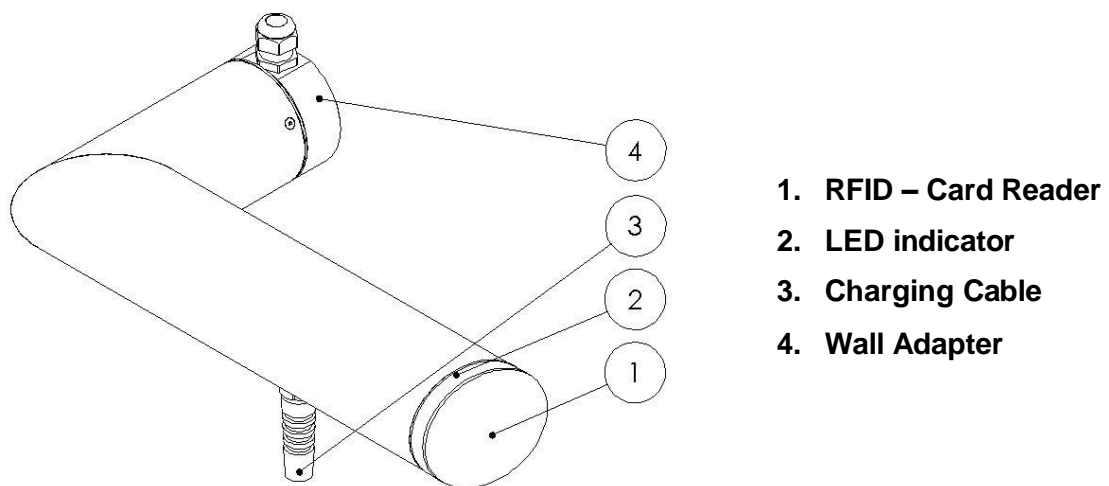
The electrical installation of the digital inputs may only be carried out by qualified specialist personnel.

## 4 Operation

Your electrify charging station is delivered preconfigured at the factory. With the help of the electrify Charge Control App (eCC) or the electrify Charge Management System (eLMS) you can make further settings and evaluations.

### 4.1 Control Element

The following graphic shows the main operating elements of the electrify eBox wr30 charging unit:



Operating elements of the electrify eBox wr30

### 4.2 LED indicator

The electrify eBox signals the respective operating status with the aid of the LED indicator. With the **electrify charge control app**, the user can choose between 8 colours.



Green



Blue



White



Red



Yellow



Orange






Pink



Purple

The electrify eBox charging unit is preconfigured with a color combination to indicate the operating status. The default color scheme, with the associated operating status, is shown in the following table:

Graphic	Operating Status
 <p data-bbox="272 674 352 701">Green</p>	<p data-bbox="469 456 1102 488"><b>State A:</b> Charging Station is ready for operation.</p>
 <p data-bbox="285 958 339 985">Blue</p>	<p data-bbox="469 741 970 772"><b>State B:</b> Electric vehicle is plugged in.</p> <p data-bbox="469 808 978 840"><b>State C:</b> Charging is active (pulsating).</p>
 <p data-bbox="277 1240 347 1267">White</p>	<p data-bbox="469 1023 1038 1055">Wait for authorization via app or RFID card.</p>
 <p data-bbox="292 1523 339 1550">Red</p>	<p data-bbox="469 1305 1086 1337"><b>State E:</b> There is a fault at the charging station.</p>



**NOTE !**

**Important information and special features**


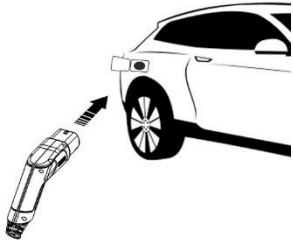


The color scheme is configured with the electrify Charge Control app. Not only the color but also the dynamics can be adjusted. (Light permanent or pulsating)

For more information, see the Quick Guide of the electrify app.

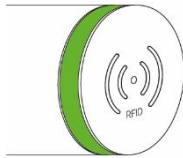
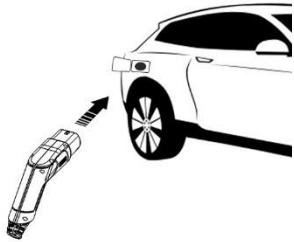
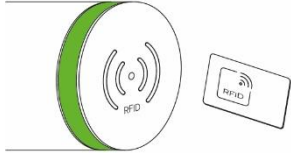

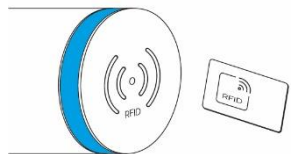
### 4.3 Charging Process

The charging process of the electrify charging units is the same for all product variants. No matter if you decide for the base, smart or other. Only the approval of the charging process is different among each other.

#### 4.3.1 Charging unit without authorization (Plug & Start)


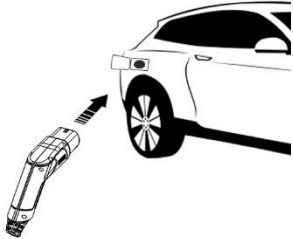

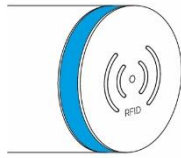

Process Step	Information	Graphic
1. First check the operating status of the eBox charging station.	eSat charging station is ready for operation with green LED indicator.	
2. Connect the charging plug to the vehicle to be charged.	After the charging plug is successfully connected to the vehicle, the locking takes place. Further information can be found in the operating instructions of the vehicle.	
3. Charging is started.	After a successful authorization, the loading process is released. The LED indicator lights up blue.	
4. End charging process prematurely.	The charging process can be stopped via the vehicle. The latter is taken from the operating instructions of the vehicle	

### 4.3.2 Charging unit with RFID authorization

Process Step	Information	Graphic
1. First check the operating status of the eBox charging station.	eSat charging station is ready for operation with green LED indicator.	
2. Connect the charging plug to the vehicle to be charged.	After the charging plug is successfully connected to the vehicle, the locking takes place. Further information can be found in the operating instructions of the vehicle.	
3. Authorization by appropriate RFID card.	Place the appropriate RFID card on top of the RFID card reader.	
4. Charging is started.	After a successful authorization, the loading process is released. The LED indicator lights up blue.	
5. End charging process prematurely.	The charging process can be ended by placing the RFID card on the reader or via the vehicle. The latter can be found in the operating instructions of the vehicle.	



### 4.3.1 Charging unit with App Authorization (electrify Control Center)

Process Step	Information	Graphic
1. First check the operating status of the eBox charging station.	eSat charging station is ready for operation with green LED indicator.	
2. Connect the charging plug to the vehicle to be charged.	After the charging plug is successfully connected to the vehicle, the locking takes place. Further information can be found in the operating instructions of the vehicle.	
3. Authorization by app with WLAN connection.	Connect the mobile phone to the Wifi and authorize the charging process via app.	
4. Charging is started.	After a successful authorization, the loading process is released. The LED indicator lights up blue.	
5. End charging process prematurely.	The charging process can be ended with the app or via the vehicle. The latter can be found in the operating instructions of the vehicle.	

## 5 Troubleshooting

With the purchase of your electrify eBox wr30, you have chosen a robust and compact design with maximum safety in operation and reliable charging for your electric and hybrid vehicle. With intelligent control, the eBox detects a fault and stops the operation immediately. Should a malfunction occur in the application, you will be informed via the LED indicator. In the following chapters, you will learn which troubleshooting procedures can be performed.

### 5.1 Troubleshooting

In this chapter, you will learn which actions you, as the user of the eBox charging unit, can carry out independently.

Disorder	Possible Cause	Troubleshooting
The LED indicator of the eBox charging unit does not light up.	The Residual Current Device (R.C.D.) has tripped.	Check in the subdivision of the house, if all fuses are switched on.
The charging process can not be started.	<ul style="list-style-type: none"> <li>• The charging cable is not properly connected to the vehicle or to the charging station.</li> <li>• Charging is not permitted by the vehicle.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the plug connection on the vehicle or at the charging station.</li> <li>• Start charging via the vehicle (see vehicle operating manual).</li> </ul>
The charging plug can not be disconnected from the charging station.	The unlocking of the locking mechanism does not work.	<ul style="list-style-type: none"> <li>• Place the RFID card again on the card reader.</li> <li>• Try to finish the charging process on the vehicle.</li> <li>• Disconnect the power of the charging station.</li> </ul>

## 5.2 Repair work



### **DANGER !**

#### **Safety note on a hazard with electrical voltage**

Make sure that the cables are de-energized at the time of repair. Non-observance of the safety instructions can lead to a risk of mortal danger due to electrical voltage.

Repairs to the electrify eBox wr30 may only be carried out by a qualified specialist. It should be noted that only spare parts released by hesotec electrify are permissible. If necessary, contact the manufacturer.

## 6 Maintenance / Disposal



### DANGER !

#### Safety note on a hazard with electrical voltage

Make sure that the cables are de-energized at the time of maintenance. Non-observance of the safety instructions can lead to a risk of mortal danger due to electrical voltage.

The electrify eBox wr30 charging units from hesotec electrify are designed so that they are generally maintenance-free. Nevertheless, visual inspections should be carried out at regular intervals.

### 6.1 Maintenance

Hesotec electrify recommends carrying out a test at intervals of 6 months.

- **Charging Station**
  - Check the charging station for visual damage and defects.
  - Check the functionality of the charging plug.
  - Check if the charging cable is damaged.
  - Check if the plug connections are connected correctly.

### 6.2 Disposal

Old electronic devices must be disposed according to the current guidelines and disposal regulations of the respective location. Disposal with household waste is strictly prohibited! Only use a collection point intended for electronic waste or dispose it through a specialist retailer.

The disposal of the packaging material can take place via collection points for paper and plastics.

## 7 Appendix

### 7.1 CE-Label and Declaration of Conformity

The electrify eSat charging station of hesotec electrify is marked with a CE label. A copy of the Declaration of Conformity will be presented later. On request, this is available from hesotec electrify gmbh.

ZERTIFIKAT / CERTIFICATE

hesotec

#### CE - KONFORMITÄTSERKLÄRUNG CE - DECLARATION OF CONFORMITY

Hersteller manufacturer	hesotec gmbh Rubberts kath 34 46539 Dinslaken / Germany
Produkt Product	electrify eBox electrify eBox
Typennummer reference number	wr30-R / wr30-L wr30-R / wr30-L
Die Forderungen folgender europäischer Richtlinien werden erfüllt In conformity with the following european directives	Niederspannungsrichtlinie 2014 / 35 / EU EMV Richtlinie 2014 / 30 / EG Low Voltage Directive 2014 / 35 / EU EMC Directive 2014 / 30 / EC
Angewendete Normen (harmonisiert) applied standards (harmonized)	DIN EN 61851:2012 IEC 61851-22 ed. 2.0 (69 / 201 / CD) EN 55011 EN 61000-6- 2 / 3 - EN 61000-3-11 - EN 61000-3-12 EN 61000-4-11 DIN IEC / TS 61439-7:2014 VDE-AR-N 4102: 04-2012
Jahr der CE-Kennzeichnung year of declaration	2019 2019

hesotec gmbh  
Rubberts kath 34  
46539 Dinslaken / Germany

Tel. +49 (0) 60105-60  
Fax. +49 (0) 60105-50  
electrify@hesotec.de

01.03.2019

Datum  
Date

Unterschrift  
signatur



Sebastian Hellmich  
Sebastian Hellmich

- Geschäftsführer -  
- managing director -

Diese Erklärung bescheinigt die Übereinstimmung mit den oben genannten Richtlinien und beinhaltet keine Zusicherung von Eigenschaften. This declaration certifies the conformity to the specified directives but contains no assurance of properties.

## 8 Notes

hesotec electrify gmbh

Rubberts kath 34

46539 Dinslaken / GER

Phone +49(0) 2064 / 60 105 – 60

Fax +49(0) 2064 / 60 105 - 50

Mail [electrify@hesotec.de](mailto:electrify@hesotec.de)

Web [electrify.hesotec.de](http://electrify.hesotec.de)

hesotec  
electrify