

Charging columns / pillars



Fax.: +49 (0)5222 8071129 www.briefkasten-manufaktur.de

Charging columns / pillars



### **Table of contents**

| 1 General   | 3  |
|---|----|
| 1.1 Purpose of the document                           | 3  |
| 1.2 Handling this document                            | 3  |
| 1.3 Intended use                                      | 3  |
| 1.4 Use of symbols and highlighting                   | 3  |
| 1.5 Warranty and liability                            | 4  |
| 2 Safety  | 4  |
| 2.1 General   | 4  |
| 2.2 General safety instructions                       | 4  |
| 2.3 Safety instructions for installation              | 4  |
| 2.4 Safety instructions for the electrical connection | 5  |
| 2.5 Safety instructions for commissioning             | 6  |
| 3 System description                                  | 6  |
| 4 Installation and electrical connection              | 6  |
| 4.1 Requirement for the installation area             | 6  |
| 4.2 Criteria for the electrical connection            | 6  |
| 4.3 Installation                                      | 7  |
| 4.3.1 Installation of charging pole/stele             | 7  |
| 4.4 Electrical connection                             | 8  |
| 5 Use   | 8  |
| 6 Decommissioning the product                         | 8  |
| 7 Maintenance, cleaning, repair                       | 8  |
| 7.1 Maintenance                                       | 8  |
| 7.2 Cleaning  | 9  |
| 7.3 Repair  | 10 |
| 8 Disposal  | 10 |
| 9 Declaration of conformity                           | 10 |



#### 1 General

#### 1.1 Purpose of the document

These operating and installation instructions are part of the product and contain information for the user on the safe operation and for the assembly and electrician on the safe installation of the Briefkasten Manufaktur Lippe GmbH charging columns/stelae. In this respect, this document is valid for both single and multiple installations.

#### 1.2 Handling this document

- The operating and installation instructions before installation and commissioning of the charging pole/stele

read

- Keep this manual handy
- These instructions to subsequent owners or users of the charging pole/stele pass on



We would like to point out that an installation protocol must be drawn up by the installer for professional installation.

# **Q**NOTE:

People with colour vision deficiencies need support in assigning any coloured cables that may be present.

#### 1.3 Intended use

The Briefkasten Manufaktur Lippe GmbH charging pole/stele are devices for the installation of wallboxes for charging electric and hybrid vehicles in accordance with IEC 61851-1, charging mode 3. In this charging mode, the charging stations ensure:

The voltage is only switched on when the vehicle is connected correctly. The maximum current has been adjusted

#### 1.4 Use of symbols and highlighting



The signal word indicates a hazard with a high degree of risk which, if not avoided, will result in death or serious injury.

# **MARNING**

The signal word indicates a hazard with a medium degree of risk which, if not avoided, may result in a minor or moderate injury.

# **O**NOTE

The signal word indicates a technical feature or (in case of non-observance) possible damage to the product.

Charging columns / pillars



- ✓ Prerequisite for the following action instruction
- →Instruction for action



The signal word indicates a hazard with a low degree of risk which, if not avoided, may result in a minor or moderate injury.

#### 1.5 Warranty and liability

Briefkasten Manufaktur Lippe GmbH accepts no liability for defects and damage resulting from failure to observe assembly and operating instructions. This exclusion of liability applies in particular to:

Improper use

Repairs by an installation company not commissioned by Briefkasten Manufaktur Lippe GmbH. and/or electrician

Use of non-original spare parts

Modification of the installations without the consent of Briefkasten Manufaktur Lippe GmbH

 Installation and commissioning by unqualified personnel (no installation and/or Electrician)

Improper disposal after decommissioning

### 2 Safety

#### 2.1 General

The Briefkasten Manufaktur Lippe GmbH charging columns/stelae are developed, manufactured, tested and documented in accordance with the relevant safety regulations and environmental regulations. Only use the systems when they are in technically perfect condition.

Faults that affect the safety of persons or the system must be rectified immediately by an installation and/or electrical specialist in accordance with the nationally applicable rules.

### 2.2 General safety instructions



- Check the charging pole/column for visual damage before use. In the event of damage, contact the Do not use the charging pole/stele.
- The installation, the electrical connection and the commissioning of the charging pole/stele may only be carried out by a qualified installer and/or electrician.
- Do not remove markings, warning symbols and type plate from charging pole/column.
- Never use a high-pressure cleaner or similar device on the charging pole/column. cleanse.
- Ensure that no parts of the body are positioned between the plug and the socket. Become, there is a risk of crushing, shearing, cutting.
- Ensure that the charging pole/column can only be accessed by persons who are authorised to use it. have read the operating instructions.

#### 2.3 Safety instructions for installation

#### Page 4

Fax.: +49 (0)5222 8071129 www.briefkasten-manufaktur.de

Charging columns / pillars





- Observe local legal requirements for electrical installations, fire protection, Safety regulations and escape routes at the planned installation site.
- If necessary, take professional precautions for ESD protection when the system is open, in order to avoid electrostatic discharges.
- Installation and/or electrical specialists must be present during the installation of the letterboxes. Manufaktur Lippe GmbH charging pole/column must be properly earthed.
- Do not install the Briefkasten Manufaktur Lippe GmbH charging pole/column in a potentially explosive area (Ex zone).
- Install the Briefkasten Manufaktur Lippe GmbH charging pole/column so that the plant does not block or obstruct any passage.
- Install the Briefkasten Manufaktur Lippe GmbH charging pole/stele not in environments with ammonia or air containing ammonia.
- Install the Briefkasten Manufaktur Lippe GmbH charging pole/stele not in a place where it can be damaged by falling objects.
- The Briefkasten Manufaktur Lippe GmbH charging pole/stele is designed for use in the Suitable for indoor and outdoor use.
- Install the Briefkasten Manufaktur Lippe GmbH charging pole/stele not in the vicinity of water spray systems, e.g. car washes, high-pressure cleaners or Garden hoses.
- The Letterbox Manufaktur Lippe GmbH charging pole/stele is designed for use in areas of suitable without access restriction.
- Protect the letterbox Manufaktur Lippe GmbH charging pole/stele from direct sunlight. The operating temperature is -20 °C to +55 °C.
- The installation location of the Briefkasten Manufaktur Lippe GmbH charging pole/column is to be that an unintentional approach by vehicles is excluded. If damage cannot be ruled out, protective measures must be taken. become.
- Take the Briefkasten Manufaktur Lippe GmbH charging pole/stele not in operation if damaged during installation; the unit must be replaced. become.

#### 2.4 Safety instructions for the electrical connection



#### WARNING

- The national legal requirements for electrical installations, fire protection, Consider safety regulations and escape routes at the planned installation site. The observe the applicable national installation regulations.
- If necessary, each Briefkasten Manufaktur Lippe GmbH charging pole/column must be a separate residual current circuit breaker and miniature circuit breaker in the connection installation

be protected. See requirements for the installation site.



- Before the electrical connection of the Briefkasten Manufaktur Lippe GmbH charging pole/stele

E-Mail: info@briefkasten-manufaktur.de Phone: +49 (0)5222 807110 Fax.: +49 (0)5222 8071129

Charging columns / pillars



make sure that the electrical connections are de-energised.

- Ensure that the correct connection cable is used for the electrical mains connection.
- The Briefkasten Manufaktur Lippe GmbH charging pole/column not with open Leave the installation cover unattended.

### 2.5 Safety instructions for commissioning



- The commissioning of the Briefkasten Manufaktur Lippe GmbH charging pole/stele may only take place

by a qualified installer and/or electrician.

- The correct electrical connection, if required, of the letterbox Manufaktur Lippe GmbH The charging pole/column must be checked by a qualified electrician before it is put into operation. become.
- Before commissioning the Briefkasten Manufaktur Lippe GmbH charging pole/column on check for visual damage or defects. The commissioning of a letterbox Manufaktur Lippe GmbH charging pole/stele is not permitted. Any defects found must be be reported immediately to Briefkasten Manufaktur Lippe GmbH customer service.

# 3 Plant description

The system described in these operating and installation instructions is a Mailbox Manufaktur Lippe GmbH charging pole/column of the Basic, Designer, Designer BIG series.

#### 4 Installation and electrical connection



It is essential to observe the safety instructions given in chapter 2, "Safety".

#### 4.1 Requirement for the installation area

The following points must be taken into account when selecting the installation location of the charging pole/column:

- The mounting surface must be solid and stable.
- The mounting surface must be completely flat (max. 1 mm difference between the individual mounting points).
- No obstruction of walkways and escape routes.
- For optimum and trouble-free operation, we recommend an installation location without direct Solar radiation.
- Observance of local building and fire safety regulations.

#### 4.2 Criteria for the electrical connection

#### Page 6

Fax.: +49 (0)5222 8071129 www.briefkasten-manufaktur.de

Charging columns / pillars



Before starting the connection work, the requirements for the installation of the charging pole/column must be checked by a qualified electrician. Depending on the country, the regulations of the authorities and electricity grid operators must be observed.

The national installation regulations and standards must be applied when selecting the protective devices.

#### 4.3 Installation



Any installation work must be carried out by a competent installation specialist. The use of suitable installation materials must be ensured. In addition, national installation standards must be observed.

# **O**NOTE

Observe the separate assembly instructions which are included in your Letterbox Manufaktur Lippe GmbH Charging pole/stele enclosed. You can also find these on the homepage:



https://www.briefkasten-manufaktur.de/anleitungen

# **U**NOTE

Please note that in order to ensure interchangeability, it must be possible to remove the system at a later date. In this respect, the system must always be screwed together. Gluing, welding or similar types of installation are not permitted.

#### 4.3.1 Installation of charging pole/stele

When assembling or installing a Manufaktur Lippe GmbH letterbox charging pole/column, particular attention must be paid to a stable, level installation site. The ground conditions must be such that the Manufaktur Lippe GmbH letterbox charging pole/column does not warp and sufficiently supports the mass of the Manufaktur Lippe GmbH letterbox charging pole/column. The dowel holes should only be determined when the system is delivered, as minor tolerance deviations may occur during the production process of the Letterbox Manufaktur Lippe GmbH charging pole/column. All existing fastening holes must be used.

For free-standing systems, we recommend foundations made of concrete (B25). As a rule of thumb, add 300 mm to the contact area of the charging pole/column on all sides. Depending on the ground conditions, the foundation must be enlarged. The foundation depth should be at least 700 mm, depending on the frost line in the ground. Before excavation, it is advisable to obtain a division plan of the planned installation site from the responsible office so that pipelines, electric cables, etc. are not damaged.



Before concreting, pay attention to the retraction of the cables, if necessary.

E-Mail: info@briefkasten-manufaktur.de Phone: +49 (0)5222 807110 Fax.: +49 (0)5222 8071129 www.briefkasten-manufaktur.de

Charging columns / pillars



For the fastening of a charging pole/column, Briefkasten Manufaktur Lippe GmbH recommends using Fischer connection anchors, type FAZ II 8/10 or higher. These ensure secure installation and a permanent hold.



Always use the recommended fixing material. It is explicitly NOT permissible to glue the system in place or to install it in any other form that is permanently fixed. Interchangeability must be guaranteed, also in terms of possible repairs.

#### 4.4 Electrical connection



It is essential to observe the safety instructions given in chapter 2, "Safety".

Your Briefkasten Manufaktur Lippe GmbH charging pole/stele may only be connected by a trained electrician.



The national regulations and standards must be observed.

The electrical supply line for a Briefkasten Manufaktur Lippe GmbH charging pole/column must be provided on site.

#### 5 Use



There is a risk of crushing if used improperly or not as intended. Do not place any limbs between the plug and the socket.



There is a danger of being cut if used improperly or not as intended. Do not place any limbs between the plug and the socket.

# 6 Decommissioning the product

Decommissioning may only be carried out by an installation and/or electrical specialist.

- → Disconnect the mains supply if necessary.
- → Electrical dismantling of the system, if necessary.
- → Disposal: see chapter 8, "Disposal" on page 10.

# 7 Maintenance, cleaning, repair

#### 7.1 Maintenance

#### Page 8

Charging columns / pillars



Maintenance must only be carried out by an installation and/or electrical specialist and in accordance with local regulations.

#### 7.2 Cleaning



Voltage on plant

Risk of electric shock. The unit must not be cleaned with a high-pressure cleaner or similar device.

At Mailbox Manufaktur, only high-quality materials are selected and processed, which guarantee durability and timeless elegance. Please bear in mind, however, that noble materials in particular need to be cared for. Even normal environmental influences can cause soiling and even surface changes. Especially in industrial conurbations or near the sea, deposits in the form of rust film can occur and attack the material. Here, systems should be cleaned and maintained more frequently.

#### → Stainless steel

Among other materials, we use stainless steel for our products. When used and cared for as intended, this steel is characterised by its resistance to water, water vapour, humidity, food acids and weak organic and inorganic acids. After installation of the charging pole/column, an initial cleaning should be carried out to remove any soiling caused by storage, transport or construction or installation residues. Protective layers of paper, foils or adhesive residues must be completely removed after assembly, as they can lead to corrosion. Afterwards, the charging pole/column should be maintained approx. every 3 - 4 weeks; we recommend our stainless steel maintenance oil spray for this purpose. Please note: The cleaners must not contain hydrochloric acid, chlorides or hydrocarbons. Under no circumstances should steel wool, steel brushes or similar be used for stainless steel cleaning, as such aids damage the protective surface and enable the formation of extraneous rust through abrasion. Corrosion caused by flash rust is excluded from the warranty. Stainless steel surfaces must always be cleaned in the direction of brushing.

#### → Aluminium

Oxide-dissolving or mechanically acting cleaning agents must not be used as they attack the anodised coating. Attention! Protect aluminium parts from cement, lime, plaster etc.

### → Glass/Plexiglass

Acrylic glass (Plexiglas) must not come into contact with organic solvents such as thinner, alcohols, fuels, etc. Glass cleaners also usually contain alcohols. To clean, use only clear water with a few drops of washing-up liquid and a soft sponge. Dust must never be wiped away dry.

#### **→** Powder coatings

Water and small amounts of a mild cleaner can be used to clean the surface of the powder coating. If absolutely necessary, a small amount of turpentine substitute can also be used. Then rinse with water and a mild cleaner!

#### → Painted surfaces

We recommend weekly cleaning and at least four times a year sealing with car wax for painted surfaces! For cleaning, use only clear water with a few drops of washing-up liquid and a soft sponge. Painted surfaces must also be dried and sealed with car polish. Caution: Do not use cleaning agents containing vinegar.

E-Mail: info@briefkasten-manufaktur.de Phone: +49 (0)5222 807110

Fax.: +49 (0)5222 8071129 www.briefkasten-manufaktur.de

Charging columns / pillars





You can find care and cleaning products in our care guide:



https://www.briefkasten-manufaktur.de/produkte/pflegemittel/



The cleaners must not contain hydrochloric acid, chlorides or hydrocarbons. Under no circumstances may steel wool, steel brushes or similar be used for cleaning stainless steel, as such aids damage the protective surface and enable the formation of extraneous rust through abrasion. Corrosion caused by flash rust is excluded from the warranty.

#### 7.3 Repair

The unauthorised repair of a charging pole/column is prohibited. Briefkasten Manufaktur Lippe GmbH reserves the exclusive right to carry out repairs to the charging pole/column. The only permitted repairs are those carried out by an installation and/or electrical specialist in accordance with the original spare parts offered by Briefkasten Manufaktur Lippe GmbH.

### 8 Disposal

A Briefkasten Manufaktur Lippe GmbH charging pole/stele without electrical components can be disposed of in household waste. Electrical and electronic components must be disposed of separately. The separate collection of waste electrical and electronic equipment is intended to enable the reuse, recycling or other forms of recovery of old equipment and to avoid negative consequences for the environment and human health when disposing of the hazardous substances that may be contained in the equipment.

→ Packaging in accordance with the applicable national legislation in the relevant Dispose of recycling bins.



According to the German Battery Ordinance, every consumer is legally obliged to return all used or spent batteries or accumulators. Disposal in household waste is prohibited. Old batteries and accumulators can be handed in free of charge at the public collection points of the municipality and wherever batteries and accumulators of the respective type are sold

# 9 Declaration of conformity

The Briefkasten Manufaktur Lippe GmbH charging columns/ pedestals have been developed, produced, tested and delivered in accordance with the applicable legal regulations of the specified sales regions. The complete EU declaration of conformity is attached to this document.

Fax.: +49 (0)5222 8071129 www.briefkasten-manufaktur.de



# **EU - Declaration of Conformity**

The manufacturer:

Briekasten Manufaktur Lippe GmbH, Werler Straße 60, 32105 Bad Salzuflen, Germany

Do hereby declare that:

Basic & Designer charging posts/columns of the following series:

Basic Designer Designer BIG

Comply with requirements of the following EU Directives or EU Regulations:

2009/125/EC Ecodesign Directive 2011/65/EU RoHS Directive 2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive

Applied standards and technical specifications:

IEC 61851-1 DIN SPEC 33402-6:2015-06

Briefkasten Manufaktur®

Werler Str. 60 32105 Bad Salzufle Telefon +49 5222 807 110 Fax/ 49 5222 807 1129 Erhail pro@brie kasten-manufaktur.de Internet syny prie kasten-manufaktur.de

Signature

Bad Salzuflen, 06.01.2022

Place, date