# CH-W-B-A3.7/11-PPNM

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Charging solution for professionals – We get you back on the road fast! Especially geared to the needs of companies, self-employed or municipalities, the BUSINESS wallbox has all the technical features for professional, commercial use. These include, above all, secure and convenient access control via RFID, a robust design, as well as MID-compliant recording and Ethernet-based transmission of charging data.

## General ordering data

| | |
|---|---|
| Version | Wallbox, max. charging capacity of 3.7 kW @ 1-phase (230 V) resp. 11 kW @ 3-phase (400 V) grid connection, max. current 16 A, With attached 5 m cable and type 2 plug, RFID, MID compliant, Modbus TCP |
| Order No. | 2743890000 |
| Type | CH-W-B-A3.7/11-PPNM |
| GTIN (EAN) | 4050118849684 |
| Qty. | 1 pc(s). |
| Delivery status | This article will no longer be available in the future. |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 197 mm | Depth (inches) | 7.756 inch |
| Height | 360 mm | Height (inches) | 14.173 inch |
| Width | 360 mm | Width (inches) | 14.173 inch |
| Net weight | 8,330 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -40 °C...70 °C | Humidity at storage temperature | 5 - 95% rel. humidity |
| Operating temperature | -25 °C...55 °C | | |

### Environmental Product Compliance

| | | | |
|---|---|---|---|
| REACH SVHC | Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3 | SCIP | d677010f-3c13-4196-b022-f62e8f2ef6a2 |

### Performance specification

| | | |
|---|---|---|
| Performance specification | Number of phases input | 1 |
| | Input voltage type | AC |
| | Input voltage | 230 V |
| | Input current, max. | 16 A |
| | Charging power, max | 3.7 kW |
| | Number of phases input | 3 |
| | Input voltage type | AC |
| | Input voltage | 400 V |
| | Input current, max. | 16 A |
| | Charging power, max | 11 kW |
| Performance specification | max. charging capacity of 3.7 kW @ 1-phase (230 V) resp. 11 kW @ 3-phase (400 V) grid connection, max. current 16 A | |

### System requirements

| | | | |
|---|---|---|---|
| Connection system | With attached 5 m cable and type 2 plug | Type of communication to vehicle | Control Pilot (CP), Proximity Pilot / Plug Present (PP) |
| Charge mode | Mode 3 | Protection class | I |
| Surge voltage category | III | Pollution severity | 3 |

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### Features

| | | | |
|---|---|---|---|
| On- / Off-Switch integrated | No | Automatic plug unlocking in case of power loss available | Yes |
| Plug lock available | Yes | Charge status display integrated | Yes |
| Welding detection | Yes | Failure shutdown | Yes |
| Failure shutdown method | All-pole | DC - residual current detection integrated | Yes |
| Type of integrated residual current detection | DC residual current sensor | DC - residual current | 6 mA |
| AC - residual current detection integrated | No | AC - residual current | 30 mA |
| Type of residual current detection to be provided by the installation | RCD Type A | User authentification | Yes |
| User authentification type | RFID | Energy meter type | MID compliant |
| Energy measurement integrated | Yes | Billing system compliant with German calibration law | No |
| Load management integrated | Yes | Load management type | DI, Modbus TCP |
| Communication integrated | Yes | Type of communication | Modbus TCP |
| With communication interface | No | | |

### Assembly

| | |
|---|---|
| Installation | Wall mounting |

### Included in delivery

| | |
|---|---|
| Included in delivery | Assembly dowels, Mounting screws, 5 RFID-transponder |

### Housing

| | | | |
|---|---|---|---|
| Operating altitude | ≤ 2000 m | Design Cover exchangeable | Yes |
| Housing main material | Polycarbonate glass fiber reinforced | Protection degree | IP54 |
| Colour | black | | |

### Appovals and norms

| | |
|---|---|
| Approvals | IEC 61851-1, IEC 61851-21-1, IEC 61851-21-2, IEC 62196-1, EN 50620 |

### Connection data (supply cable)

| | | | |
|---|---|---|---|
| Mains frequency | 50 Hz | Type of connection | PUSH IN |
| Wire size ,max. | 6 mm² | With circuit breaker | No |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC002883 | ETIM 7.0 | EC002883 |
| ETIM 8.0 | EC002883 | ECLASS 9.0 | 27-14-47-01 |
| ECLASS 9.1 | 27-14-47-01 | ECLASS 10.0 | 27-14-47-01 |
| ECLASS 11.0 | 27-14-47-01 | ECLASS 12.0 | 27-14-47-01 |

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# Technical data

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP Wallbox BUSINESS Plug |
| Tender specification | Ausschreibungstext |
| User Documentation | Sicherheitshinweise<br>Bedienungsanleitung Vernetzung<br>Montageanleitung<br>Bedienungsanleitung<br>Broschüre Wallboxen, Ladekabel, Basiskomponenten<br>Brochure EV charging boxes, charging cables and basic components |
| Catalogues | Catalogues in PDF-format |