

CH-W-S-A7.4-S-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

| | |
|------------|--|
| Version | Wallbox, max. charging capacity of 7.4 kW @ 1-phase (230 V) grid connection, max. current 32 A, Type 2 socket outlet, Mobile App |
| Order No. | 2875200000 |
| Type | CH-W-S-A7.4-S-E |
| GTIN (EAN) | 4064675650768 |
| Qty. | 1 pc(s). |

Creation date July 18, 2023 9:29:25 AM CEST

Catalogue status 07.07.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 167 mm | Depth (inches) | 6.575 inch |
| Height | 433 mm | Height (inches) | 17.047 inch |
| Width | 268 mm | Width (inches) | 10.551 inch |
| Net weight | 3,600 g | | |

Temperatures

| | | | |
|-----------------------------|-----------------------|-----------------------------|----------------|
| Storage temperature | -40 °C...70 °C | Operating temperature | -30 °C...50 °C |
| Operating temperature, min. | -30 °C | Operating temperature, max. | 50 °C |
| Humidity | 5 - 95% rel. humidity | | |

Material data

| | | | |
|---------------------------------------|--------|-----------------------------|-------|
| Max. relative humidity during storage | 95 % | Operating temperature, max. | 50 °C |
| Operating temperature, min. | -30 °C | Storage temperature, max. | 70 °C |
| Storage temperature, min. | -40 °C | | |

Performance specification

| | | |
|---------------------------|-----------------------------|--------|
| Performance specification | Number of phases input | 1 |
| | Input voltage type | AC |
| | Input voltage | 230 V |
| | Input current, max. | 32 A |
| | Charging power, max. | 7.4 kW |
| | Adjustment accuracy | 1 A |
| | Charging current adjustable | Yes |
| | Charging current, min. | 6 A |

Performance specification max. charging capacity of 7.4 kW @ 1-phase (230 V) grid connection, max. current 32 A

System requirements

| | | | |
|------------------------|----------------------|----------------------------------|---|
| Connection system | Type 2 socket outlet | 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 |

Features

| | | | |
|----------------------------|------------------------|--|------------|
| Protection degree | IP54 | Type of status indicator | RGB LED |
| Welding detection | Yes | Failure shutdown | Yes |
| Failure shutdown method | All-pole | DC - residual current detection integrated | Yes |
| DC - residual current | 6 mA | Type of residual current detection to be provided by the installation | RCD Type A |
| User authentication | Yes | Mobile App available | Yes |
| User authentication type | Mobile App | Energy measurement integrated | No |
| Load management integrated | No | Communication integrated | Yes |
| Supported protocols | Modbus RTU, Modbus TCP | | |

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Interfaces

| | | | |
|--------------------------------------|----------------------------|-----------------|-------------------|
| Wifi frequency | 2,4 GHz | Wifi Standard | 802.11 b/g/n |
| Bluetooth module | Bluetooth Low Energy (BLE) | Ethernet ports | 1 |
| Digital inputs | 1 (12 V / 6 mA) | Digital outputs | 1 (12 V / 100 mA) |
| Type of protocol of serial interface | RS485 | | |

Assembly

| | |
|--------------|-------------------------------|
| Installation | Wall mounting, Stand Mounting |
|--------------|-------------------------------|

Included in delivery

| | |
|----------------------|--|
| Included in delivery | Drilling template, Instruction sheet, Mounting screws, Assembly dowels |
|----------------------|--|

Housing

| | | | |
|--------------------|-----------------------------------|-----------------------|-------------------------|
| Operating altitude | ≤ 3000 m | Housing main material | PC |
| Protection degree | IP54 | Colour | black, Anthracite, grey |
| Impact resistance | IK10 in accordance with IEC 62262 | | |

Approvals and norms

| | |
|-----------|---|
| Approvals | IEC 61851-1, IEC 61851-21-2, IEC 62196-1, IEC 62196-2, EN 50620, EN 301 489-1, EN 301 908-1, EN 301 511, EN 300 328, EN 300 330 v.2.1.1, EN 62368-1, EN 55011 |
|-----------|---|

Connection data (supply cable)

| | | | |
|--------------------|---------|-------------------------------|--------------------|
| Type of connection | PUSH IN | Conductor cross-section, max. | 16 mm ² |
|--------------------|---------|-------------------------------|--------------------|

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 |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | d677010f3c13-4196-b022-f62e8f2ef6a2 |

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Technical data

Approvals

Approvals



Downloads

Approval/Certificate/Document of Conformity

[CE declaration](#)

Engineering Data

[Installationsvideo AC SMART](#)[Installation Video AC SMART](#)[AC SMART Modbus registers](#)[Application notes – Use of an external Modbus TCP/RTU tag list \(DE, EN\)](#)

Software

[Firmware – Current Bluetooth Firmware AC SMART](#)[Firmware – Current Firmware AC SMART](#)[Firmware – Current WiFi Firmware AC SMART](#)[Firmware – Archive Firmware files AC SMART](#)[Firmware – Release notes Current firmware AC SMART](#)

Tender specification

[Ausschreibungstext](#)[Tender text](#)

User Documentation

[Broschüre Wallbox AC SMART, AC Ladekabel, Basiskomponenten](#)[Brochure EV charging box AC SMART, AC charging cables, Basic components](#)[Abnahmeprotokoll AC SMART](#)[MANUAL AC SMART \(DE, EN, FR, IT, ES, NL, SV, CS\)](#)[Instructionsheet AC SMART](#)

Catalogues

[Productcatalogue e-mobility](#)

Data sheet

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Drawings



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Accessories

Charging point: plug type 2 - vehicle side: plug type 2



General ordering data

| | | |
|------------|----------------------------|--|
| Type | CA-T2T2-5M-11/3P-S-BBG | Version |
| Order No. | 2713330000 | AC charging cable, Plug type - charging point: Type 2, Plug type |
| GTIN (EAN) | 4050118767377 | - vehicle side: Type 2, Charging power, max.: 11 kW, Number of |
| Qty. | 1 pc(s). | phases: 3, Rated current: 20 A, Cable length: 5 m, Cable type: spiral |
| Type | CA-T2T2-5M-11/3P-R-BBG | Version |
| Order No. | 2754380000 | AC charging cable, Plug type - charging point: Type 2, Plug type |
| GTIN (EAN) | 4050118899115 | - vehicle side: Type 2, Charging power, max.: 11 kW, Number of |
| Qty. | 1 pc(s). | phases: 3, Rated current: 20 A, Cable length: 5 m, Cable type: regular |
| Type | CA-T2T2-10M-11/3-R-BBG | Version |
| Order No. | 2791330000 | AC charging cable, Plug type - charging point: Type 2, Plug type |
| GTIN (EAN) | 4064675070825 | - vehicle side: Type 2, Charging power, max.: 11 kW, Number of |
| Qty. | 1 pc(s). | phases: 3, Rated current: 20 A, Cable length: 10 m, Cable type: regular |
| Type | CA-T2T2-7.5M-11/3-R-BBG | Version |
| Order No. | 2791320000 | AC charging cable, Plug type - charging point: Type 2, Plug type |
| GTIN (EAN) | 4064675070801 | - vehicle side: Type 2, Charging power, max.: 11 kW, Number of |
| Qty. | 1 pc(s). | phases: 3, Rated current: 20 A, Cable length: 7.5 m, Cable type: regular |

Stands



Whether carport, driveway, front garden, customer, or employee parking lot: With the easy to assemble Weidmüller stand, you are flexible in your choice of installation location. Thanks to its compact and timeless design, the Weidmüller stand fits into any architectural environment. The housing surfaces offer space for individualization – for example with logos or company names. Premium components and materials, certified production in Germany, as well as the durable design with ease of installation, underline the sustainable concept of the charging solution.

General ordering data

| | |
|------------|----------------------------|
| Type | ST-W-S-SINGLE |
| Order No. | 2904100000 |
| GTIN (EAN) | 4099986531321 |
| Qty. | 1 pc(s). |

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Accessories

| | |
|------------|----------------------------|
| Type | ST-W-S-DOUBLE |
| Order No. | 2915210000 |
| GTIN (EAN) | 4099986543478 |
| Qty. | 1 pc(s). |

| | |
|------------|----------------------------|
| Type | ST-W-S-BLANK |
| Order No. | 2904120000 |
| GTIN (EAN) | 4099986531581 |
| Qty. | 1 pc(s). |
