

CH-W-S-A22-P-V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

| | |
|------------|--|
| Version | Wallbox, max. charging capacity of 22 kW @ 3-phase (400 V) grid connection, max. current 32 A, With attached 5 m cable and type 2 plug, Mobile App, RFID/NFC |
| Order No. | 2875250000 |
| Type | CH-W-S-A22-P-V |
| GTIN (EAN) | 4064675650812 |
| Qty. | 1 pc(s). |

Creation date June 20, 2023 12:33:54 PM CEST

Catalogue status 09.06.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 149 mm | Depth (inches) | 5.866 inch |
| Height | 439 mm | Height (inches) | 17.283 inch |
| Width | 273 mm | Width (inches) | 10.748 inch |
| Net weight | 6,808 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 | 3 |
| | Input voltage type | AC |
| | Input voltage | 400 V |
| | Input current, max. | 32 A |
| | Charging power, max | 22 kW |
| | Adjustment accuracy | 1 A |
| | Charging current adjustable | Yes |
| | Charging current, min | 6 A |

Performance specification max. charging capacity of 22 kW @ 3-phase (400 V) grid connection, max. current 32 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 |

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, RFID/NFC | Energy measurement integrated | Yes |
| Load management integrated | Yes | Load management type | static |
| Communication integrated | Yes | Supported protocols | Modbus RTU, Modbus TCP, OCPP 1.6 (J) |

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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 | 2 |
| Digital inputs | 5 (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, 5 RFID-transponder, Mounting screws, Assembly dowels, cover |
|----------------------|---|

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 | d677010f-3c13-4196-b022-f62e8f2ef6a2 |

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Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CE declaration |
| Engineering Data | Installationsvideo AC SMART Installation Video AC SMART AC SMART Modbus registers |
| 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 Application notes – Use of an external Modbus TCP/RTU tag list (DE, EN) Application notes – Application note PV-surplus charging AC SMART (DE, EN) Application notes – Integration of the AC SMART into an external load management (DE, EN) |
| Catalogues | Catalogues in PDF-format |

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Drawings

