

CH-W-S-A22-P7.5-V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

| | |
|------------|--|
| Version | Wallbox, With attached 7.5 m cable and type 2 plug, Mobile App, RFID/NFC |
| Order No. | 2911260000 |
| Type | CH-W-S-A22-P7.5-V |
| GTIN (EAN) | 4099986532236 |
| Qty. | 1 pc(s). |

Creation date April 24, 2023 11:34:00 PM CEST

Catalogue status 14.04.2023 / 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 | 7,274 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Storage temperature | -40 °C...70 °C | Operating temperature | -30 °C...50 °C |
| Operating temperature, min. | -30 °C | Operating temperature, max. | 50 °C |

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 | 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 |

System requirements

| | | | |
|------------------------|---|----------------------------------|---|
| Connection system | With attached 7.5 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 |
| Integrated energy measuring MID conform | Yes | Load management integrated | Yes |
| Load management type | static | Communication integrated | Yes |
| Supported protocols | Modbus RTU, Modbus TCP, OCPP 1.6 (J) | | |

Data sheet

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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)

| | |
|-------------------------------|--------------------|
| 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 |

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Technical data

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 | Ausschreibungstexte |
| 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) Application notes – Instructionsheet AC SMART |
| Catalogues | Catalogues in PDF-format |