

**CH-W-S-A22-P7.5-E**

**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
Order No.	<a href="#">2911220000</a>
Type	CH-W-S-A22-P7.5-E
GTIN (EAN)	4099986532199
Qty.	1 pc(s).

Creation date July 31, 2023 6:57:36 AM CEST

Catalogue status 24.07.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	150 mm	Depth (inches)	5.905 inch
Height	433 mm	Height (inches)	17.047 inch
Width	268 mm	Width (inches)	10.551 inch
Net weight	6,550 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	Integrated energy measuring MID conform	Yes
Communication integrated	Yes	Supported protocols	Modbus RTU, Modbus TCP, OCPP 1.6 (J)

## 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		

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**Data sheet**

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**Technical data**

**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)**

Conductor cross-section, max. 16 mm<sup>2</sup>

**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

**Approvals**

Approvals



## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">CE declaration</a>
Engineering Data	<a href="#">Installationsvideo AC SMART</a> <a href="#">Installation Video AC SMART</a> <a href="#">AC SMART Modbus registers</a> <a href="#">Application notes – Use of an external Modbus TCP/RTU tag list (DE, EN)</a>
Software	<a href="#">Firmware – Current Bluetooth Firmware AC SMART</a> <a href="#">Firmware – Current Firmware AC SMART</a> <a href="#">Firmware – Current WiFi Firmware AC SMART</a> <a href="#">Firmware – Archive Firmware files AC SMART</a> <a href="#">Firmware – Release notes Current firmware AC SMART</a>
Technical Documentation	<a href="#">Abnahmeprotokoll AC SMART</a>
Tender specification	<a href="#">Ausschreibungstexte</a> <a href="#">Tender text</a>
User Documentation	<a href="#">Broschüre Wallbox AC SMART, AC Ladekabel, Basiskomponenten</a> <a href="#">Brochure EV charging box AC SMART, AC charging cables, Basic components</a> <a href="#">MANUAL AC SMART (DE, EN, FR, IT, ES, NL, SV, CS)</a> <a href="#">Instructionsheet AC SMART</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**

