

CH-W-S-A22-P-A**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.	2875290000
Type	CH-W-S-A22-P-A
GTIN (EAN)	4064675650850
Qty.	1 pc(s).

Creation date June 20, 2023 12:35:50 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	167 mm	Depth (inches)	6.575 inch
Height	439 mm	Height (inches)	17.283 inch
Width	273 mm	Width (inches)	10.748 inch
Net weight	6,925 g		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-30 °C...45 °C
Operating temperature, min.	-30 °C	Operating temperature, max.	45 °C
Humidity	5 - 95% rel. humidity		

Material data

Max. relative humidity during storage	95 %	Operating temperature, max.	45 °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	radio technology	4G / LTE
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
Integrated energy measuring MID conform	Yes	Load management integrated	Yes
Load management type	dynamic	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
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Included in delivery

Included in delivery	Drilling template, Instruction sheet, 5 RFID-transponder, Mounting screws, Assembly dowels, cover
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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
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Connection data (supply cable)

Type of connection	PUSH IN	Conductor cross-section, max.	16 mm ²
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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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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 Firmware – Current Powerline communication 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

