

CH-W-S-A7.4-P-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, With attached 5 m cable and type 2 plug, Mobile App
Order No.	2875210000
Type	CH-W-S-A7.4-P-E
GTIN (EAN)	4064675650775
Qty.	1 pc(s).

Creation date July 18, 2023 6:44:53 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	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	5,009 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	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	Energy measurement integrated	No
Load management integrated	No	Communication integrated	Yes
Supported protocols	Modbus RTU, Modbus TCP		

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	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
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Included in delivery

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

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-DOUBLE
Order No.	2915210000
GTIN (EAN)	4099986543478
Qty.	1 pc(s).
Type	ST-W-S-SINGLE
Order No.	2904100000
GTIN (EAN)	4099986531321
Qty.	1 pc(s).
Type	ST-W-S-BLANK
Order No.	2904120000
GTIN (EAN)	4099986531581
Qty.	1 pc(s).