CH-W-B-A7.4/22-SPNM

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Charging solution for professionals – We get you back on the road fast! Especially geared to the needs of companies, self-employed or municipalities, the BUSINESS wallbox has all the technical features for professional, commercial use. These include, above all, secure and convenient access control via RFID, a robust design, as well as MID-compliant recording and Ethernet-based transmission of charging data.

General ordering data

Version	Wallbox, max. charging capacity of 7.4 kW @ 1-phase (230 V) resp. 22 kW @ 3-phase (400 V) grid connection, max. current 32 A, Type 2 socket outlet, RFID, MID compliant, Modbus TCP
Order No.	2744060000
Type	CH-W-B-A7.4/22-SPNM
GTIN (EAN)	4050118895704
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.

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Technical data

Dimensions and weights

Depth	197 mm	Depth (inches)	7.756 inch
Height	360 mm	Height (inches)	14.173 inch
Width	360 mm	Width (inches)	14.173 inch
Net weight	7,790 g		

Temperatures

Storage temperature	-40 °C...70 °C	Humidity at storage temperature	5 - 95% rel. humidity
Operating temperature	-25 °C...55 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3	SCIP	98a9fdd0-50fe-4403-a200-37b86f44e7bd

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
	Number of phases input	3
	Input voltage type	AC
	Input voltage	400 V
	Input current, max.	32 A
	Charging power, max	22 kW
Performance specification	max. charging capacity of 7.4 kW @ 1-phase (230 V) resp. 22 kW @ 3-phase (400 V) grid connection, max. current 32 A	

System requirements

Connection system	Type 2 socket outlet	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

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Features

On- / Off-Switch integrated	No	Automatic plug unlocking in case of power loss available	Yes
Plug lock available	Yes	Charge status display integrated	Yes
Welding detection	Yes	Failure shutdown	Yes
Failure shutdown method	All-pole	DC - residual current detection integrated	Yes
Type of integrated residual current detection	DC residual current sensor	DC - residual current	6 mA
AC - residual current detection integrated	No	AC - residual current	30 mA
Type of residual current detection to be provided by the installation	RCD Type A	User authentification	Yes
User authentification type	RFID	Energy meter type	MID compliant
Energy measurement integrated	Yes	Billing system compliant with German calibration law	No
Load management integrated	Yes	Load management type	DI, Modbus TCP
Communication integrated	Yes	Type of communication	Modbus TCP
With communication interface	No		

Assembly

Installation	Wall mounting

Included in delivery

Included in delivery	Assembly dowels, Mounting screws, 5 RFID-transponder

Housing

Operating altitude	≤ 2000 m	Design Cover exchangeable	Yes
Housing main material	Polycarbonate glass fiber reinforced	Protection degree	IP54
Colour	black		

Appovals and norms

Approvals	IEC 61851-1, IEC 61851-21-1, IEC 61851-21-2, IEC 62196-1, IEC 62196-2

Connection data (supply cable)

Mains frequency	50 Hz	Type of connection	PUSH IN
Wire size ,max.	6 mm²	With circuit breaker	No

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

Approvals

Approvals	

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP Wallbox BUSINESS Socket
Tender specification	Ausschreibungstext
User Documentation	Sicherheitshinweise Montageanleitung Bedienungsanleitung Bedienungsanleitung Vernetzung Broschüre Wallboxen, Ladekabel, Basiskomponenten Brochure EV charging boxes, charging cables and basic components
Catalogues	Catalogues in PDF-format