

e-mobility

Charging boxes, load management and accessories

Pioneering charging infrastructure for electric vehicles



Weidmüller 

Smart charging solutions for individual challenges

The intelligent and networkable charging box family AC SMART

Suitable for every application

Charging boxes of the AC SMART series are available for every application: with one or three phases, with 16 or 32 A, stand-alone, networked, remote-controlled, with access control, MID-certified consumption data recording, and much more.

Intelligent and future-proof

Standardised interfaces and a wide range of configuration options allow autonomous control and integration into intelligent networks. The update capability of all runtime systems guarantees future-proofness.

High-quality, robust, and durable

Premium components and materials, certified manufacturing, as well as an installation- and user-friendly housing concept make the AC SMART series a particularly durable charging solution.

AC SMART ECO

Intuitive - The ideal charging box for your home.



- Stand-alone charging box
- Charging current adjustable
- Status and configuration via mobile app and integrated web server
- Networkable with external system / Smart Home



AC SMART VALUE

Safe – No overloading when installing multiple charging boxes.



- Switch functionality to connect several charging boxes in line
- Charging current adjustable
- Status and configuration via mobile app and integrated web server
- Networkable with PV / Smart Home
- PV surplus charging
- RFID authentication
- Static load/charge management integrated
- Charging data export

AC SMART ADVANCED

Efficient – Optimized charging with dynamic load management.



- Switch functionality to connect several charging boxes in line
- Charging current adjustable
- Status and configuration via mobile app and integrated web server
- Networkable with PV / Smart Home
- PV surplus charging
- RFID authentication
- Dynamic load/charge management integrated
- Charging data export
- MID compliant energy meter
- Mobile communication modem (4G/LTE) incl. lifetime SIM*
- Powerline communication with car

* 1 GB respectively 10 years

AC SMART ECO

Intuitive - The optimal charging box for your home.

The AC SMART ECO is the efficient stand-alone charging box for your home. Easy to handle, safe and robust in operation, adaptable to individual needs and framework conditions. The AC SMART ECO can be integrated easily and efficiently into existing environments and eliminates the need for cost-intensive renewals of the building's electrical installation. Linkable with possibly existing building automation systems through different interfaces to charge efficiently and effectively.

CH-W-S-A7.4-P-E



CH-W-S-A7.4-S-E



Technical data

Short description	
Power connection	
max. charging power	
max. charging current	
Integrated phase changeover (1- / 3-phase)	
Adjustable charging current	
Connectionsystem	
Connectable conductor cross-section Supply line	
Status display	
Protection class	
Impact resistance	
DC-residual current detection	
Fault disconnection method all-pole	
Contactor adhesive detection	
Mobile App	
User authentication	
Energy measurement integrated	
Communication interfaces	
Network protocols	
Powerline communication charging box-car	
Dimensions (W x H x D)	
Net weight	
Operating temperature	
Approvals and norms	

Mode 3 EV charging box AC SMART ECO, max. charging power of 7,4 kW at 1-phase (230V) mains connection, maximum charging power 32 A, attached 5 m cable with type 2 plug, integrated webserver, Mobile App, Interfaces: Ethernet, WIFI, Bluetooth low energy, RS 485, 1 DI, 1 DO
1-phase 230 V / 32 A
7,4 kW
32 A
No
1 A steps (6...32 A)
Attached EV charging cable with 5 m length and type 2 plug according to IEC 62196 Mode 3
2,5 - 16 mm ²
RGB LED
IP 54
IK 10
6 mA
Yes
Yes
Yes
Mobile App
No
1 Ethernet Port, WIFI, Bluetooth low energy, RS 485, 1 Digital input, 1 Digital output
Modbus RTU / TCP
No
268 x 433 x 150 mm
5,1 kg
-30 °C...+50 °C
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, EN 203 367, IEC 62893-1, IEC 62893-2

Mode 3 EV charging box AC SMART ECO, max. charging power of 7,4 kW at 1-phase (230V) mains connection, maximum charging power 32 A, socket for type 2 connector face, integrated webserver, Mobile App, Interfaces: Ethernet, WIFI, Bluetooth low energy, RS 485, 1 DI, 1 DO
1-phasisg 230 V / 32 A
7,4 kW
32 A
No
1 A steps (6...32 A)
Socket outlet Type 2 according to IEC 62196 Mode 3
2,5 - 16 mm ²
RGB LED
IP 54
IK 10
6 mA
Yes
Yes
Yes
Mobile App
No
1 Ethernet Port, WLAN, Bluetooth low energy, RS 485, 1 Digital input, 1 Digital output
Modbus RTU / TCP
No
268 x 433 x 150 mm
3,6 kg
-30 °C...+50 °C
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, EN 203 367

Ordering data

Type	Qty.	Order No.
CH-W-S-A7.4-P-E	1	2875210000

Type	Qty.	Order No.
CH-W-S-A7.4-S-E	1	2875200000





AC SMART ECO

Intuitive - The optimal charging box for your home.

The AC SMART ECO is the efficient stand-alone charging box for your home. Easy to handle, safe and robust in operation, adaptable to individual needs and framework conditions. The AC SMART ECO can be integrated easily and efficiently into existing environments and eliminates the need for cost-intensive renewals of the building's electrical installation. Linkable with possibly existing building automation systems through different interfaces to charge efficiently and effectively.

CH-W-S-A11-P/P7.5/P10-E



CH-W-S-A11-S-E



Technical data

Short description	
Power connection	
max. charging power	
max. charging current	
Integrated phase changeover (1- / 3-phase)	
Adjustable charging current	
Connectionsystem	
Connectable conductor cross-section Supply line	
Status display	
Protection class	
Impact resistance	
DC-residual current detection	
Fault disconnection method all-pole	
Contactor adhesive detection	
Mobile App	
User authentication	
Energy measurement integrated	
Communication interfaces	
Network protocols	
Powerline communication charging box-car	
Dimensions (W x H x D)	
Net weight	
Operating temperature	
Approvals and norms	

Mode 3 EV charging box AC SMART ECO, max. charging power of 11 kW at 3-phase (400 V) mains connection, maximum charging power 16 A, attached 5/7.5/10 m cable with type 2 plug, integrated webserver, Mobile App, Interfaces: Ethernet, WIFI, Bluetooth low energy, RS 485, 1 DI, 1 DO
3-phase 400 V / 16 A
11 kW
16 A
Yes
1 A steps (6...16 A)
Attached EV charging cable with 5/7.5/10 m length and type 2 plug according to IEC 62196 Mode 3
2,5 - 16 mm ²
RGB LED
IP 54
IK 10
6 mA
Yes
Yes
Yes
Mobile App
No
1 Ethernet Port, WLAN, Bluetooth low energy, RS 485, 1 Digital input, 1 Digital output
Modbus RTU / TCP
No
268 x 433 x 150 mm
4,9 kg / 5,4 kg / 6,1 kg
-30 °C...+50 °C
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, EN 203 367, IEC 62893-1, IEC 62893-2

Mode 3 EV charging box AC SMART ECO, max. charging power of 11 kW at 3-phase (400 V) mains connection, maximum charging power 16 A, socket for type 2 connector face, integrated webserver, Mobile App, Interfaces: Ethernet, WIFI, Bluetooth low energy, RS 485, 1 DI, 1 DO
3-phase 400 V / 16 A
11 kW
16 A
Yes
1 A steps (6...16 A)
Plug Type 2 according to IEC 62196 Mode 3
2,5 - 16 mm ²
RGB LED
IP 54
IK 10
6 mA
Yes
Yes
Yes
Mobile App
No
1 Ethernet Port, WLAN, Bluetooth low energy, RS 485, 1 Digital input, 1 Digital output
Modbus RTU / TCP
No
268 x 433 x 150 mm
3,6 kg
-30 °C...+50 °C
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, EN 203 367

Ordering data

Type	Cable length	Qty.	Order No.
CH-W-SA11-PE	5 m	1	2863090000
CH-W-SA11-P7.5-E	7.5 m	1	2911200000
CH-W-SA11-P10-E	10 m	1	2911210000

Type	Cable length	Qty.	Order No.
CH-W-SA11-PE	5 m	1	2863090000
CH-W-SA11-P7.5-E	7.5 m	1	2911200000
CH-W-SA11-P10-E	10 m	1	2911210000

Type	Qty.	Order No.
CH-W-SA11-S-E	1	2863070000





CH-W-S-A22-P/P7.5-E

CH-W-S-A22-S-E



Mode 3 EV charging box AC SMART ECO, max. charging power of 22 kW at 3-phase (400 V) mains connection, maximum charging power 32 A, attached 5/7.5 m cable with type 2 plug, integrated webserver, Mobile App, Interfaces: Ethernet, WIFI, Bluetooth low energy, RS 485, 1 DI, 1 DO

3-phase 400 V / 32 A

22 kW

32 A

Yes

1 A steps (6...32 A)

Attached EV charging cable with 5/7.5 m length and type 2 plug according to IEC 62196 Mode 3

2,5 - 16 mm²

RGB LED

IP 54

IK 10

6 mA

Yes

Yes

Yes

Mobile App

No

1 Ethernet Port, WLAN, Bluetooth low energy, RS 485, 1 Digital input, 1 Digital output

Modbus RTU / TCP

No

268 x 433 x 150 mm

6,1 kg / 6,6 kg

-30 °C...+50 °C

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, EN 203 367, IEC 62893-1, IEC 62893-2

Mode 3 EV charging box AC SMART ECO, max. charging power of 22 kW at 3-phase (400 V) mains connection, maximum charging power 32 A, shutter socket for type 2 connector face, integrated webserver, Mobile App, Interfaces: Ethernet, WIFI, Bluetooth low energy, RS 485, 1 DI, 1 DO

3-phase 400 V / 32 A

22 kW

32 A

Yes

1 A steps (6...32 A)

Socket outlet according to IEC 62196 Mode 3

2,5 - 16 mm²

RGB LED

IP 54

IK 10

6 mA

Yes

Yes

Yes

Mobile App

No

1 Ethernet Port, WLAN, Bluetooth low energy, RS 485, 1 Digital input, 1 Digital outputs

Modbus RTU / TCP

No

268 x 433 x 150 mm

3,6 kg

-30 °C...+50 °C

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, EN 203 367

Type	Cable length	Qty.	Order No.
CH-W-S-A22-PE	5 m	1	2863100000
CH-W-S-A22-P7.5-E	7.5 m	1	2911220000

Type	Qty.	Order No.
CH-W-S-A22-S-E	1	2863080000

Charging box family AC SMART

AC SMART VALUE

Safe – No overloading when installing multiple charging boxes.

The intelligent and networkable charging box AC SMART VALUE is the ideal solution for private multi-apartment buildings or properties with several parking spaces. Having fixed allocation of individual charging points or to avoid unauthorized access, user authentication can be activated through RFID/NFC or Mobile App. The integrated static load management prevents an overloading of the existing electrical installation and efficiently spreads the available resources across all connected EV charging boxes. Through the integrated energy measurement, consumption data can be recorded and if necessary transmitted and processed via the Mobile App or the local network. An integration into an already existing building automation system is also possible, to realise a network-based charging control in both directions

CH-W-S-A11-P/P7.5/P10-V



CH-W-S-A11-S-V



Technical data

Short description	Mode 3 EV-charging box AC SMART VALUE, max. charging power of 11 kW at 3-phase (400 V) mains connection, maximum charging current 16 A, attached 5/7.5/10 m cable with type 2 plug, RFID-authentication, integrated webserver with static load-charge management, Mobile App, Interfaces: 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO
Power connection	3-phase 400 V / 16 A
max. charging power	11 kW
max. charging current	16 A
Integrated phase changeover (1- / 3-phase)	Yes
Adjustable charging current	1 A steps (6...16 A)
Connectionsystem	Attached EV charging cable with 5/7.5/10 m length and type 2 plug according to IEC 62196 Mode 3
Connectable conductor cross-section Supply line	2,5 - 16 mm ²
Status display	RGB LED
Protection class	IP 54
Impact resistance	IK 10
DC-residual current detection	6 mA
Fault disconnection method all-pole	Yes
Contactors adhesive detection	Yes
Mobile App	Yes
User authentication	Mobile App, RFID/NFC (Mifare Classic/Desfire)
Energy measurement integrated	Yes
Communication interfaces	2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs, 1 Digital output Modbus RTU / TCP, OCPP 1.6 (J)
Network protocols	Integrated (static)
Load management	268 x 433 x 150 mm
Dimensions (W x H x D)	5,7 kg / 5,6 kg / 8,0 kg
Net weight	-30 °C...+50 °C
Operating temperature	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, EN 203 367, IEC 62893-1, IEC 62893-2
Approvals and norms	

Short description	Mode 3 EV-charging box AC SMART VALUE, max. charging power of 11 kW at 3-phase (400 V) mains connection, maximum charging current 16 A, socket with type 2 connector face, RFID-authentication, integrated webserver with static load-charge management, Mobile App, Interfaces: 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO
Power connection	3-phase 400 V / 16 A
max. charging power	11 kW
max. charging current	16 A
Integrated phase changeover (1- / 3-phase)	Yes
Adjustable charging current	1 A steps (6...16 A)
Connectionsystem	Socket outlet Type 2 according to IEC 62196 Mode 3
Connectable conductor cross-section Supply line	2,5 - 16 mm ²
Status display	RGB LED
Protection class	IP 54
Impact resistance	IK 10
DC-residual current detection	6 mA
Fault disconnection method all-pole	Yes
Contactors adhesive detection	Yes
Mobile App	Yes
User authentication	Mobile App, RFID/NFC (Mifare Classic/Desfire)
Energy measurement integrated	Yes
Communication interfaces	2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs, 1 Digital output Modbus RTU / TCP, OCPP 1.6 (J)
Network protocols	Integrated (static)
Load management	268 x 433 x 150 mm
Dimensions (W x H x D)	4,3 kg
Net weight	-30 °C...+50 °C
Operating temperature	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, EN 203 367
Approvals and norms	

Short description	Mode 3 EV-charging box AC SMART VALUE, max. charging power of 11 kW at 3-phase (400 V) mains connection, maximum charging current 16 A, socket with type 2 connector face, RFID-authentication, integrated webserver with static load-charge management, Mobile App, Interfaces: 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO
Power connection	3-phase 400 V / 16 A
max. charging power	11 kW
max. charging current	16 A
Integrated phase changeover (1- / 3-phase)	Yes
Adjustable charging current	1 A steps (6...16 A)
Connectionsystem	Socket outlet Type 2 according to IEC 62196 Mode 3
Connectable conductor cross-section Supply line	2,5 - 16 mm ²
Status display	RGB LED
Protection class	IP 54
Impact resistance	IK 10
DC-residual current detection	6 mA
Fault disconnection method all-pole	Yes
Contactors adhesive detection	Yes
Mobile App	Yes
User authentication	Mobile App, RFID/NFC (Mifare Classic/Desfire)
Energy measurement integrated	Yes
Communication interfaces	2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs, 1 Digital output Modbus RTU / TCP, OCPP 1.6 (J)
Network protocols	Integrated (static)
Load management	268 x 433 x 150 mm
Dimensions (W x H x D)	4,3 kg
Net weight	-30 °C...+50 °C
Operating temperature	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, EN 203 367
Approvals and norms	

Ordering data

Type	Cable length	Qty.	Order No.
CH-W-S-A11-P-V	5 m	1	2875240000
CH-W-S-A11-P7.5-V	7.5 m	1	2911240000
CH-W-S-A11-P10-V	10 m	1	2911250000

Type	Qty.	Order No.
CH-W-S-A11-S-V	1	2875220000

Type	Qty.	Order No.
CH-W-S-A11-S-V	1	2875220000



CH-W-S-A22-P/P7.5-V

CH-W-S-A22-S-V



Mode 3 EV-charging box AC SMART VALUE, max. charging power of 22 kW at 3-phase (400 V) mains connection, maximum charging current 16 A, attached 5/7.5 m cable with type 2 plug, RFID-authentication, integratedt webserver with static load-charge management, Mobile App, Interfaces: 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO

3-phase 400 V / 32 A

22 kW

32 A

Yes

1 A steps (6...32 A)

Attached EV charging cable with 5/7.5 m length and type 2 plug according to IEC 62196 Mode 3

2,5 - 16 mm²

RGB LED

IP 54

IK 10

6 mA

Yes

Yes

Yes

Mobile App, RFID/NFC (Mifare Classic/Desfire)

Yes

2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs, 1 Digital output

Modbus RTU / TCP, OCPP 1.6 (J)

Integrated (static)

268 x 433 x 150 mm

6,8 kg / 7,3 kg

-30 °C...+50 °C

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, EN 203 367, IEC 62893-1, IEC 62893-2

Mode 3 EV-charging box AC SMART VALUE, max. charging power of 22 kW at 3-phase (400 V) mains connection, maximum charging current 32A, socket with type 2 connector face, RFID-authentication, integratedt webserver with static load-charge management, Mobile App, Interfaces: 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO

3-phase 400 V / 32 A

22 kW

32 A

Yes

1 A steps (6...32 A)

Socket outlet Type 2 according to IEC 62196 Mode 3

2,5 - 16 mm²

RGB LED

IP 54

IK 10

6 mA

Yes

Yes

Yes

Mobile App, RFID/NFC (Mifare Classic/Desfire)

Yes

2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs, 1 Digital output

Modbus RTU / TCP, OCPP 1.6 (J)

Integrated (static)

268 x 433 x 150 mm

4,3 kg

-30 °C...+50 °C

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, EN 203 367

Type	Cable length	Qty.	Order No.
CH-W-S-A22-P-V	5 m	1	2875250000
CH-W-S-A22-P7.5-V	7.5 m	1	2911260000

Type	Qty.	Order No.
CH-W-S-A22-S-V	1	2875230000

AC SMART ADVANCED

Efficient - Optimized charging with dynamic load Management.

Geared in particular to the needs of companies, self-employed persons or municipalities in a semi-public environment, the EV charging box AC SMART ADVANCED has all the technical and functional features for a professional, commercial use. These include, above all, secure and convenient access control via RFID/NFC, Mobile App or powerline communication directly with the car. In addition, a MID-compliant recording of charging data and a secure backend communication via OCPP 1.6 through ethernet- or mobile radio-based data transmission. And finally an integrated, dynamic load management for an efficient and cost-optimized use of the existing electrical installation, even with several charging boxes. This can also be used, for example, to realize a cost-efficient charging of PV electricity produced on the roof top of a building.

CH-W-S-A11-P/P7.5/P10-A



CH-W-S-A11-S-A



Technical data

Short description	
Power connection	
max. charging power	
max. charging current	
Integrated phase changeover (1- / 3-phase)	
Adjustable charging current	
Connectionsystem	
Connectable conductor cross-section Supply line	
Status display	
Protection class	
Impact resistance	
DC-residual current detection	
Fault disconnection method all-pole	
Contactor adhesive detection	
Mobile App	
User authentication	
Energy measurement integrated	
Communication interfaces	
Network protocols	
Powerline communication charging box-car	
Load management	
Dimensions (W x H x D)	
Net weight	
Operating temperature	
Approvals and norms	

Mode 3 EV-charging box AC SMART ADVANCED, max. charging power of 11kW at 3-phase (400 V) mains connection, maximum charging current 16 A, attached 5/7.5/10 m cable with type 2 plug , RFID authentication, MID compliant energy meter, integrated webserver with dynamic load management , Mobile App, Interfaces: mobile communications (4G/LTE), 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO, powerline communication (AutoCharge)	
3-phase 400 V / 16 A	
11 kW	
16 A	
Yes	
1 A steps (6...16 A)	
Attached EV charging cable with 5/7.5/10 m length and type 2 plug according to IEC 62196 Mode 3	
2,5 - 16 mm ²	
RGB LED	
IP 54	
IK 10	
6 mA	
Yes	
Yes	
Yes	
Mobile App, RFID/NFC (Mifare Classic/Desfire)	
Yes (MID approved energy meter)	
2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs , 1 Digital output , Mobile communications (4G/LTE)	
Modbus RTU / TCP, OCPP 1.6 (J)	
Yes	
Integrated (dynamic)	
268 x 433 x 150 mm	
5,7 kg / 5,6 kg / 8,0 kg	
-25 °C...+45 °C	
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, EN 203 367, IEC 62893-1, IEC 62893-2	

Mode 3 EV-charging box AC SMART ADVANCED, max. charging power of 11kW at 3-phase (400 V) mains connection, maximum charging current 16 A, socket with type 2 connector face , RFID authentication, MID compliant energy meter, integrated webserver with dynamic load management , Mobile App, Interfaces: mobile communications (4G/LTE), 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO, powerline communication (AutoCharge)	
3-phase 400 V / 16 A	
11 kW	
16 A	
Yes	
1 A steps (6...16 A)	
Socket outlet Type 2 according to IEC 62196 Mode 3	
2,5 - 16 mm ²	
RGB LED	
IP 54	
IK 10	
6 mA	
Yes	
Yes	
Yes	
Mobile App, RFID/NFC (Mifare Classic/Desfire)	
Yes (MID approved energy meter)	
2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs , 1 Digital output , Mobile communications (4G/LTE)	
Modbus RTU / TCP, OCPP 1.6 (J)	
Yes	
Integrated (dynamic)	
268 x 433 x 150 mm	
4,3 kg	
-25 °C...+45 °C	
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, EN 203 367	

Ordering data

Type	Cable length	Qty.	Order No.
CH-W-S-A11-P-A	5 m	1	2875280000
CH-W-S-A11-P7.5-A	7.5 m	1	2911280000
CH-W-S-A11-P10-A	10 m	1	2911290000

Type	Cable length	Qty.	Order No.
CH-W-S-A11-P-A	5 m	1	2875280000
CH-W-S-A11-P7.5-A	7.5 m	1	2911280000
CH-W-S-A11-P10-A	10 m	1	2911290000

Type	Qty.	Order No.
CH-W-S-A11-S-A	1	2875260000





CH-W-S-A22-P/P7.5-A



CH-W-S-A22-S-A



Mode 3 EV-charging box AC SMART ADVANCED, max. charging power of 22 kW at 3-phase (400 V) mains connection, maximum charging current 16 A, attached 5/7.5 m cable with type 2 plug , RFID authentication, MID compliant energy meter, integrated webserver with dynamic load management , Mobile App, Interfaces: mobile communications (4G/LTE), 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO, powerline communication (AutoCharge)

3-phase 400 V / 32 A
22 kW
32 A
Yes
1 A steps (6...16 A)
Attached EV charging cable with 5/7.5 m length and type 2 plug according to IEC 62196 Mode 3
2,5 - 16 mm ²
RGB LED
IP 54
IK 10
6 mA
Yes
Yes
Yes
Mobile App, RFID/NFC (Mifare Classic/Desfire)
Yes (MID approved energy meter)
2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs , 1 Digital output , Mobile communications (4G/LTE)
Modbus RTU / TCP, OCPP 1.6 (J)
Yes
Integrated (dynamic)
268 x 433 x 150 mm
6,9 kg / 7,9 kg
-25 °C...+45 °C
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, EN 203 367, IEC 62893-1, IEC 62893-2

Mode 3 EV-charging box AC SMART ADVANCED, max. charging power of 11kW at 3-phase (400 V) mains connection, maximum charging current 16 A, socket with type 2 connector face , RFID authentication, MID compliant energy meter, integrated webserver with dynamic load management , Mobile App, Interfaces: mobile communications (4G/LTE), 2x Ethernet, WLAN, Bluetooth low energy, RS 485, 5 DI, 1 DO, powerline communication (AutoCharge)

3-phase 400 V / 32 A
22 kW
32 A
Yes
1 A steps (6...16 A)
Socket outlet Type 2 according to IEC 62196 Mode 3
2,5 - 16 mm ²
RGB LED
IP 54
IK 10
6 mA
Yes
Yes
Yes
Mobile App, RFID/NFC (Mifare Classic/Desfire)
Yes (MID approved energy meter)
2 Ethernet Ports (Switch), WLAN, Bluetooth low energy, RS 485, 5 Digital inputs , 1 Digital output , Mobile communications (4G/LTE)
Modbus RTU / TCP, OCPP 1.6 (J)
Yes
Integrated (dynamic)
268 x 433 x 150 mm
4,3 kg
-25 °C...+45 °C
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, EN 203 367

Type	Cable length	Qty.	Order No.
CH-W-S-A22-P-A	5 m	1	2875290000
CH-W-S-A22-P7.5-A	7.5 m	1	2911300000

Type	Qty.	Order No.
CH-W-S-A22-S-A	1	2875270000

Charging box Design-Cover

Customise your charging box to your taste with a design cover in black or white.
 With our freely usable 3D models in the Weidmüller online catalog, you can customize your design cover with a partner according to your wishes.

EQ-W-S-C2-D-BK



EQ-W-S-C2-D-WH



Technical data

Material
Colour
Net weight
Approvals and norms

AM50CM SOLAR EG
black
0.867 g
RoHS

AM50CM SOLAR EG
white
0.867 g
RoHS

Ordering data

Type	Qty.	Order No.
EQ-W-S-C2-D-BK	1	2958080000

Type	Qty.	Order No.
EQ-W-S-C2-D-WH	1	2922620000





Free-standing installation of charging points

The Weidmüller stand for more flexibility in charging solutions

Attractive and compact

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.

High quality, robust and durable

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.

Immediately ready for installation

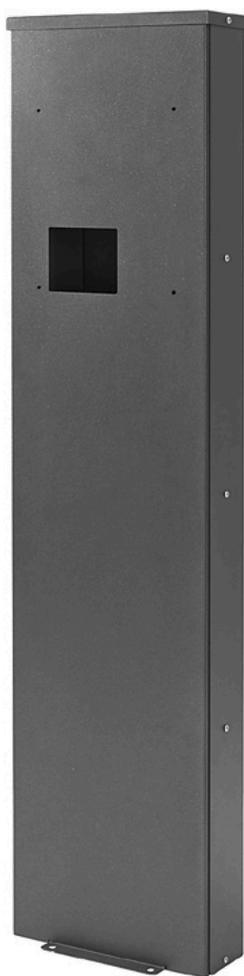
The Weidmüller stand is supplied with all the necessary hole patterns and cable bushings. This means that it can be installed immediately at the intended location in order to be put into operation with the existing AC SMART charging box.



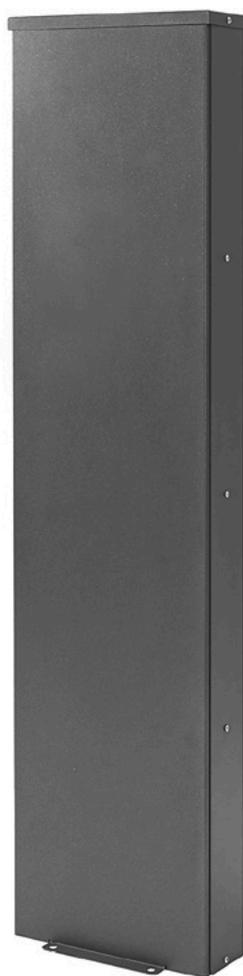
- High-quality construction with robust components and durable materials
- Corrosion resistant due to powder coated, galvanized steel sheets
- Easy assembly - even by one person
- Ready for installation with hole pattern for Weidmüller AC SMART charging solutions
- Optionally available without prefabricated hole pattern



ST-W-S-SINGLE



ST-W-S-BLANK



ST-W-S-DOUBLE



Mounting of the two charging boxes on the front & back side of the stand

Ordering data

Type	Description	Order No.
ST-W-S-SINGLE	Stand for 1 EV charging station AC SMART (Hole pattern prefabricated ex works)	2904100000

Type	Description	Order No.
ST-W-S-BLANK	Stand for 1 or 2 EV charging boxes (without hole pattern)	2904120000

Type	Description	Order No.
ST-W-S-DOUBLE	Stand for 2 charging boxes (Hole pattern prefabricated ex works)	2915210000

Load Management with SMARTcharge

Simple and intelligent: load management system for your charging network

Set up, monitor & manage charging points simply

Depending on your requirements, SMARTcharge enables static or dynamic load management for up to 50 charging boxes from Weidmüller's AC SMART family. This is supported by the easy integration of a PV system.

- Simple commissioning without programming knowledge
- Clear monitoring and management options
- Ability to remotely control charging processes and charging power
- Convenient prioritisation of charging processes and charging stations
- Remote monitoring of the status of individual charging points
- Easy PV system integration



Quick installation thanks to the installation wizard

With the user-friendly installation wizard, you can connect and set up SMARTcharge in no time. Implement both static and dynamic load management very easily and without programming knowledge with our SMARTcharge product bundles. The installation wizard is already pre-installed upon delivery.

Convenient remote access

With remote control you'll always have everything under control with SMARTcharge – from a simple status query to the control or prioritisation of charging processes and charging stations. Start or stop charging remotely!





SMARTcharge load management

The SMARTcharge load management tool enables intelligent distribution of the available electricity and ensures that electric vehicles are charged as quickly as possible. The user-friendly interface and installation wizard make it even easier to set up as well as control charging points and integrate a PV system. This means that the system is ready for use in no time at all and the surplus PV power can be used directly.

WM-SC-5/15/50



WM-SC-LTE-5/15/50



Technical data

Short description	
Type of connection	PUSH IN
Output voltage	24 V
Conductor cross-section, max.	2,5 mm ²
Number of possible charging boxes connectable	5, 15, 50 (depending on license)
Input current, max.	Depending on current transformer
PV surplus charging possible	No
Prioritisation of charging processes possible via webinterface	Yes
Mobile communication technology	not available
Monitoring of charging processes possible via webinterface	Yes
User authentication	RFID, NFC, Webinterface
Integrated energy measuring MID conform	Yes
Load management type	Dynamic
Supported protocols	Modbus TCP
Number of Ethernet ports	2
Installation	DIN Rail
Dimensions	340 x 122 x 166
Net weight	1,218 g
Operating temperature	-20 °C...55 °C
Humidity	5%...95 % (non condensing)

SMARTcharge load management for AC SMART charging boxes, number of possible connectable charging boxes: 5, 15 or 50, Connection type: PUSH IN, interfaces: WiFi, 2 Ethernet ports	
Type of connection	PUSH IN
Output voltage	24 V
Conductor cross-section, max.	2,5 mm ²
Number of possible charging boxes connectable	5, 15, 50 (depending on license)
Input current, max.	Depending on current transformer
PV surplus charging possible	No
Prioritisation of charging processes possible via webinterface	Yes
Mobile communication technology	not available
Monitoring of charging processes possible via webinterface	Yes
User authentication	RFID, NFC, Webinterface
Integrated energy measuring MID conform	Yes
Load management type	Dynamic
Supported protocols	Modbus TCP
Number of Ethernet ports	2
Installation	DIN Rail
Dimensions	340 x 122 x 166
Net weight	1,218 g
Operating temperature	-20 °C...55 °C
Humidity	5%...95 % (non condensing)

SMARTcharge load management for AC SMART charging boxes, number of possible connectable charging boxes: 5, 15 or 50, Connection type: PUSH IN, PV surplus charging possible, interfaces: WiFi, 4G / LTE, 2 Ethernet ports	
Type of connection	PUSH IN
Output voltage	24 V
Conductor cross-section, max.	2,5 mm ²
Number of possible charging boxes connectable	5, 15, 50 (depending on license)
Input current, max.	Depending on current transformer
PV surplus charging possible	No
Prioritisation of charging processes possible via webinterface	Yes
Mobile communication technology	4G / LTE
Monitoring of charging processes possible via webinterface	Yes
User authentication	RFID, NFC, Webinterface
Integrated energy measuring MID conform	Yes
Load management type	Dynamic
Supported protocols	Modbus TCP
Number of Ethernet ports	2
Installation	DIN Rail
Dimensions	340 x 122 x 166
Net weight	1,245 g
Operating temperature	-20 °C...55 °C
Humidity	5%...95 % (non condensing)

Ordering data

Type	Qty.	Order No.
WM-SC-5	1	2923060000
WM-SC-15	1	2923050000
WM-SC-50	1	2923070000

Type	Qty.	Order No.
WM-SC-5	1	2923060000
WM-SC-15	1	2923050000
WM-SC-50	1	2923070000

Type	Qty.	Order No.
WM-SC-LTE-5	1	2923080000
WM-SC-LTE-15	1	2923090000
WM-SC-LTE-50	1	2923100000



WM-SC-PV-5/15/50



WM-SC-PV-LTE-5/15/50



SMARTcharge load management for AC SMART charging boxes, number of possible connectable charging boxes: 5, 15 or 50, Connection type: PUSH IN, PV surplus charging possible, interfaces: WiFi, 2 Ethernet ports

PUSH IN
24 V
2,5 mm ²
5, 15, 50 (depending on license)
Depending on current transformer
Yes
Yes
not available
Yes
RFID, NFC, Webinterface
Yes
Dynamic
Modbus TCP
2
DIN Rail
340 x 122 x 166
1,518 g
-20 °C...55 °C
5%...95 % (non condensing)

SMARTcharge load management for AC SMART charging boxes, Number of possible connectable charging boxes: 5, 15 or 50, Connection type: PUSH IN, PV surplus charging possible Interfaces: WiFi, 4G / LTE , 2 Ethernet ports

PUSH IN
24 V
2,5 mm ²
5, 15, 50 (depending on license)
Depending on current transformer
Yes
Yes
4G / LTE
Yes
RFID, NFC, Webinterface
Yes
Dynamic
Modbus TCP
2
DIN Rail
340 x 122 x 166
1,545 g
-20 °C...55 °C
5%...95 % (non condensing)

Type	Qty.	Order No.
WM-SC-PV-5	1	2923120000
WM-SC-PV-15	1	2923110000
WM-SC-PV-50	1	2923130000

Type	Qty.	Order No.
WM-SC-PV-LTE-5	1	2923140000
WM-SC-PV-LTE-15	1	2923150000
WM-SC-PV-LTE-50	1	2923160000

The basic range for individual solutions and concepts

Components for the charging infrastructure

Safe against external influences

The charging cables meet the requirements of protection class IP55. This means they can also be used safely and reliably outdoors to charge an electric car.

High diversity of variants

The Weidmüller charging cables are available in different versions in terms of length and charging power. Our AC charging cables are also available in a spiralized version.

Preassembled cable end

All charging cables with open end are completely preassembled, i.e. stripped, bared and crimped as well as marked according to conductor function. This means that the charging cables are immediately ready for connection in the target application.





AC Charging cables

The Mode 3 charging cables with ergonomic handle design offer charging comfort of the highest quality. Robust and durable in every respect: the housing is dirt and water repellent, shock and impact resistant as well as cold and heat resistant. Available in different lengths, in straight and spiral form, for 1- or 3-phase charging.

CA-T2T1-5M-7.4/1p-R-BBG



CA-T2T1-7.5M-7.4/1p-R-BBG



Technical data

Short description	
Cable type	straight
Cable length	5 m
max. Charging power	up to 7.4 kW @ 1 phase
Number of phases	1
Type of communication to vehicle	Control Pilot (CP), Proximity Pilot / Plug Present (PP)
max. rated capacity	32 A / 250 V AC
Connection - charging point	Type 2
Connection - vehicle	Type 1
Protection degree	IP55 (with protection cover)
Operating temperature	-30 °C...+50 °C
Cable colour	black
Plug colour	black / grey
Approvals and norms	EN 50620 IEC 62196-1 / -2 CE TÜV-certified

Short description	Charging cable for up to 7.4 kW charging capacity @ 1-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 1, 5 m cable length, plug colour black/grey, cable colour black
Cable type	straight
Cable length	5 m
max. Charging power	up to 7.4 kW @ 1 phase
Number of phases	1
Type of communication to vehicle	Control Pilot (CP), Proximity Pilot / Plug Present (PP)
max. rated capacity	32 A / 250 V AC
Connection - charging point	Type 2
Connection - vehicle	Type 1
Protection degree	IP55 (with protection cover)
Operating temperature	-30 °C...+50 °C
Cable colour	black
Plug colour	black / grey
Approvals and norms	EN 50620 IEC 62196-1 / -2 CE TÜV-certified

Short description	Charging cable for up to 7.4 kW charging capacity @ 1-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 1, 7.5 m cable length, plug colour black/grey, cable colour black
Cable type	straight
Cable length	7.5 m
max. Charging power	up to 7.4 kW @ 1 phase
Number of phases	1
Type of communication to vehicle	Control Pilot (CP), Proximity Pilot / Plug Present (PP)
max. rated capacity	32 A / 250 V AC
Connection - charging point	Type 2
Connection - vehicle	Type 1
Protection degree	IP55 (with protection cover)
Operating temperature	-30 °C...+50 °C
Cable colour	black
Plug colour	black / grey
Approvals and norms	EN 50620 IEC 62196-1 / -2 CE TÜV-certified

Ordering data

Type	Qty.	Order No.
CA-T2T1-5M-7.4/1p-R-BBG	1	2724920000

Type	Qty.	Order No.
CA-T2T1-5M-7.4/1p-R-BBG	1	2724920000

Type	Qty.	Order No.
CA-T2T1-7.5M-7.4/1p-R-BBG	1	2791360000



CA-T2T2-5M-11/3p-R-BBG



Charging cable for up to 11 kW charging capacity @ 3-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 2, 5 m cable length, plug colour black/grey, cable colour black

straight
5 m
up to 11 kW @ 3 phases
3
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
20 A / 480 V AC
Type 2
Type 2
IP55 (with protection cover)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV-certified

Type	Qty.	Order No.
CA-T2T2-5M-11/3p-R-BBG	1	2754380000

CA-T2T2-5M-11/3p-S-BBG



Spiral charging cable for up to 11 kW charging capacity @ 3-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 2, 5 m cable length, plug colour black/grey, cable colour black

spiral
5 m
up to 11 kW @ 3 phases
3
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
20 A / 480 V AC
Type 2
Type 2
IP55 (with protection cover)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV-certified

Type	Qty.	Order No.
CA-T2T2-5M-11/3p-S-BBG	1	2713330000

CA-T2T2-7.5M-11/3p-R-BBG



Charging cable for up to 11 kW charging capacity @ 3-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 2, 7.5 m cable length, plug colour black/grey, cable colour black

straight
7.5 m
up to 11 kW @ 3 phases
3
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
20 A / 480 V AC
Type 2
Type 2
IP55 (with protection cover)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV-certified

Type	Qty.	Order No.
CA-T2T2-7.5M-11/3p-R-BBG	1	2791320000

AC Charging cables

The Mode 3 charging cables with ergonomic handle design offer charging comfort of the highest quality. Robust and durable in every respect: the housing is dirt and water repellent, shock and impact resistant as well as cold and heat resistant. Available in different lengths, in straight and spiral form, for 1- or 3-phase charging.

CA-T2T2-10M-11/3p-R-BBG



CA-T2T2-5M-22/3p-R-BBG



Technical data

Short description	
Cable type	
Cable length	
max. Charging power	
Number of phases	
Type of communication to vehicle	
max. rated capacity	
Connection - charging point	
Connection - vehicle	
Protection degree	
Operating temperature	
Cable colour	
Plug colour	
Approvals and norms	

Charging cable for up to 11 kW charging capacity @ 3-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 2, 10 m cable length, plug colour black/grey, cable colour black
straight
10 m
up to 11 kW @ 3 phases
3
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
20 A / 480 V AC
Type 2
Type 2
IP55 (with protection cover)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV-certified

Charging cable for up to 22 kW charging capacity @ 3-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 2, 5 m cable length, plug colour black/grey, cable colour black
straight
5 m
up to 22 kW @ 3 phases
3
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
32 A / 480 V AC
Type 2
Type 2
IP55 (with protection cover)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV-certified

Ordering data

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Type	Qty.	Order No.
CA-T2T2-10M-11/3p-R-BBG	1	2791330000

Type	Qty.	Order No.
CA-T2T2-5M-22/3p-R-BBG	1	2754390000



CA-T2T2-5M-22/3p-S-BBG



Spiral charging cable for up to 22 kW charging capacity @ 3-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 2, 5 m cable length, plug colour black/grey, cable colour black

spiral
5 m
up to 22 kW @ 3 phases
3
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
32 A / 480 V AC
Type 2
Type 2
IP55 (with protection cover)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV-certified

Type	Qty.	Order No.
CA-T2T2-5M-22/3p-S-BBG	1	2754410000

CA-T2T2-7.5M-22/3p-R-BBG



Charging cable for up to 22 kW charging capacity @ 3-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 2, 7.5 m cable length, plug colour black/grey, cable colour black

straight
7.5 m
up to 22 kW @ 3 phases
3
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
32 A / 480 V AC
Type 2
Type 2
IP55 (with protection cover)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV-certified

Type	Qty.	Order No.
CA-T2T2-7.5M-22/3p-R-BBG	1	2791300000

CA-T2T2-10M-22/3p-R-BBG



Charging cable for up to 22 kW charging capacity @ 3-phase connection, plug type charging station: type 2, plug type electrical vehicle: type 2, 10 m cable length, plug colour black/grey, cable colour black

straight
10 m
up to 22 kW @ 3 phases
3
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
32 A / 480 V AC
Type 2
Type 2
IP55 (with protection cover)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV-certified

Type	Qty.	Order No.
CA-T2T2-10M-22/3p-R-BBG	1	2791310000

AC Charging cables

The Mode 3 charging cables with ergonomic handle design offer charging comfort of the highest quality. Robust and durable in every respect: The housing is dirt- and water-repellent, shock- and impact-resistant, as well as cold- and heat-resistant. Available in different lengths, in straight and coiled form, with type 2 plug on the car side and with open cable end (stripped and crimped) for connection in the charging station.

CA-T2WB-5.5M-11/3p-R-BBG



CA-T2WB-5.5M-11/3p-S-BBG



Technical data

Short description	
Cable type	
Cable length	
max. charging power	
Number of phases	
Vehicle communication type	
max. rated capacity	
Connection - charging point	
Connection - vehicle	
Protection degree	
Operating temperature	
Cable colour	
Connector colour	
Approvals and norms	

Charging cable for up to 11 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 5.5 m cable length, plug color black/grey, cable color black
straight
5.5 m
up to 11 kW with 3-phase connection
3
Control Pilot (CP) / Proximity Pilot / Plug Present (PP)
20 A / 480 V AC
open cable end, single wires crimped with wire end ferrule (L1/N/PE = 2.5 mm ² , CP = 0.5 mm ²)
Type 2 plug
IP55 (with protective cap, when installed)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV certified

Charging cable for up to 11 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 5.5 m cable length, plug color black/grey, cable color black
spiral
5.5 m
up to 11 kW with 3-phase connection
3
Control Pilot (CP) / Proximity Pilot / Plug Present (PP)
20 A / 480 V AC
open cable end, single wires crimped with wire end ferrule (L1/N/PE = 2.5 mm ² , CP = 0.5 mm ²)
Type 2 plug
IP55 (with protective cap, when installed)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV certified

Ordering data

Type	Qty.	Order No.
CA-T2WB-5.5M-11/3p-R-BBG	1	2791350000

Type	Qty.	Order No.
CA-T2WB-5.5M-11/3p-S-BBG	1	2828270000



CA-T2WB-7.5M-11/3p-R-BBG



Charging cable for up to 11 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 7.5 m cable length, plug color black/grey, cable color black

straight

7.5 m

up to 11 kW with 3-phase connection

3

Control Pilot (CP) / Proximity Pilot / Plug Present (PP)

20 A / 480 V AC

open cable end, single wires crimped with wire end ferrule (L1/N/PE = 2.5 mm², CP = 0.5 mm²)

Type 2 plug

IP55 (with protective cap, when installed)

-30 °C...+50 °C

black

black / grey

EN 50620

IEC 62196-1 / -2

CE

TÜV certified

CA-T2WB-7.5M-11/3p-S-BBG



Charging cable for up to 11 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 7.5 m cable length, plug color black/grey, cable color black

spiral

7.5 m

up to 11 kW with 3-phase connection

3

Control Pilot (CP) / Proximity Pilot / Plug Present (PP)

20 A / 480 V AC

open cable end, single wires crimped with wire end ferrule (L1/N/PE = 2.5 mm², CP = 0.5 mm²)

Type 2 plug

IP55 (with protective cap, when installed)

-30 °C...+50 °C

black

black / grey

EN 50620

IEC 62196-1 / -2

CE

TÜV certified

CA-T2WB-10M-11/3p-R-BBG



Charging cable for up to 11 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 10 m cable length, plug color black/grey, cable color black

straight

10 m

up to 11 kW with 3-phase connection

3

Control Pilot (CP) / Proximity Pilot / Plug Present (PP)

20 A / 480 V AC

open cable end, single wires crimped with wire end ferrule (L1/N/PE = 2.5 mm², CP = 0.5 mm²)

Type 2 plug

IP55 (with protective cap, when installed)

-30 °C...+50 °C

black

black / grey

EN 50620

IEC 62196-1 / -2

CE

TÜV certified

Type	Qty.	Order No.
CA-T2WB-7.5M-11/3p-R-BBG	1	2828230000

Type	Qty.	Order No.
CA-T2WB-7.5M-11/3p-S-BBG	1	2828290000

Type	Qty.	Order No.
CA-T2WB-10M-11/3p-R-BBG	1	2828250000

AC Charging cables

The Mode 3 charging cables with ergonomic handle design offer charging comfort of the highest quality. Robust and durable in every respect: The housing is dirt- and water-repellent, shock- and impact-resistant, as well as cold- and heat-resistant. Available in different lengths, in straight and coiled form, with type 2 plug on the car side and with open cable end (stripped and crimped) for connection in the charging station.

CA-T2WB-5.5M-22/3p-R-BBG



CA-T2WB-5.5M-22/3p-S-BBG



Technical data

Short description	
Cable type	
Cable length	
max. charging power	
Number of phases	
Vehicle communication type	
max. rated capacity	
Connection - charging point	
Connection - vehicle	
Protection degree	
Operating temperature	
Cable colour	
Connector colour	
Approvals and norms	

Charging cable for up to 22 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 5.5 m cable length, plug color black/grey, cable color black
straight
5.5 m
up to 22 kW with 3-phase connection
3
Control Pilot (CP) / Proximity Pilot / Plug Present (PP)
32 A / 480 V AC
open cable end, single wires crimped with wire end ferrule (L1/N/PE= 6 mm ² , CP = 0.5 mm ²)
Type 2 plug
IP55 (with protective cap, when installed)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV certified

Charging cable for up to 22 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 5.5 m cable length, plug color black/grey, cable color black
spiral
5.5 m
up to 22 kW with 3-phase connection
3
Control Pilot (CP) / Proximity Pilot / Plug Present (PP)
32 A / 480 V AC
open cable end, single wires crimped with wire end ferrule (L1/N/PE = 6 mm ² , CP = 0.5 mm ²)
Type 2 plug
IP55 (with protective cap, when installed)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV certified

Ordering data

Type	Qty.	Order No.
CA-T2WB-5.5M-22/3p-R-BBG	1	2791340000

Type	Qty.	Order No.
CA-T2WB-5.5M-22/3p-S-BBG	1	2828260000



CA-T2WB-7.5M-22/3p-R-BBG



Charging cable for up to 22 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 7.5 m cable length, plug color black/grey, cable color black

straight

7.5 m

up to 22 kW with 3-phase connection

3

Control Pilot (CP) / Proximity Pilot / Plug Present (PP)

32 A / 480 V AC

open cable end, single wires crimped with wire end ferrule (L1/N/PE = 6 mm², CP = 0.5 mm²)

Type 2 plug

IP55 (with protective cap, when installed)

-30 °C...+50 °C

black

black / grey

EN 50620

IEC 62196-1 / -2

CE

TÜV certified

Type	Qty.	Order No.
CA-T2WB-7.5M-22/3p-R-BBG	1	2828220000

CA-T2WB-7.5M-22/3p-S-BBG



Charging cable for up to 22 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 7.5 m cable length, plug color black/grey, cable color black

spiral

7.5 m

up to 22 kW with 3-phase connection

3

Control Pilot (CP) / Proximity Pilot / Plug Present (PP)

32 A / 480 V AC

open cable end, single wires crimped with wire end ferrule (L1/N/PE = 6 mm², CP = 0.5 mm²)

Type 2 plug

IP55 (with protective cap, when installed)

-30 °C...+50 °C

black

black / grey

EN 50620

IEC 62196-1 / -2

CE

TÜV certified

Type	Qty.	Order No.
CA-T2WB-7.5M-22/3p-S-BBG	1	2828280000

CA-T2WB-10M-22/3p-R-BBG



Charging cable for up to 22 kW charging power with 3-phase connection, plug type charging point: open, plug type vehicle: type 2, 10 m cable length, plug color black/grey, cable color black

straight

10 m

up to 22 kW with 3-phase connection

3

Control Pilot (CP) / Proximity Pilot / Plug Present (PP)

32 A / 480 V AC

open cable end, single wires crimped with wire end ferrule (L1/N/PE = 6 mm², CP = 0.5 mm²)

Type 2 plug

IP55 (with protective cap, when installed)

-30 °C...+50 °C

black

black / grey

EN 50620

IEC 62196-1 / -2

CE

TÜV certified

Type	Qty.	Order No.
CA-T2WB-10M-22/3p-R-BBG	1	2828240000

AC Charging cables

The Mode 3 charging cables with ergonomic handle design offer charging comfort of the highest quality. Robust and durable in every respect: the housing is dirt and water repellent, shock and impact resistant as well as cold and heat resistant. Available in different lengths, in straight and spiral form, for 1- or 3-phase charging.

CA-T2WB-5.5M-7.4/1P-S-BBG



CA-T2WB-5.5M-7.4/1P-R-BBG



Technical data

Short description	
Cable type	
Cable length	
max. charging power	
Number of phases	
Vehicle communication type	
max. rated capacity	
Connection - charging point	
Connection - vehicle	
Protection degree	
Operating temperature	
Cable colour	
Connector colour	
Approvals and norms	

Charging cable for up to 7.4 kW charging power with 1-phase connection, plug type charging point: open, plug type vehicle: type 2, 5.5 m cable length, plug color black/grey, cable color black
spiral
5.5 m
up to 7,4 kW at 1-phase connection
1
Control Pilot (CP) / Proximity Pilot / Plug Present (PP)
32 A / 230 V AC
open cable end, single wires crimped with wire end ferrule (L1/N/PE = 6 mm ² , CP = 0.5 mm ²)
Type 2 plug
IP55 (with protective cap, when installed)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV certified

Charging cable for up to 7.4 kW charging power with 1-phase connection, plug type charging point: open, plug type vehicle: type 2, 5.5 m cable length, plug color black/grey, cable color black
straight
5.5 m
up to 7,4 kW at 1-phase connection
1
Control Pilot (CP) / Proximity Pilot / Plug Present (PP)
32 A / 230 V AC
open cable end, single wires crimped with wire end ferrule (L1/N/PE = 6 mm ² , CP = 0.5 mm ²)
Type 2 plug
IP55 (with protective cap, when installed)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV certified

Ordering data

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Type	Qty.	Order No.
CA-T2WB-5.5M-7.4/1P-S-BBG	1	2861560000

Type	Qty.	Order No.
CA-T2WB-5.5M-7.4/1P-R-BBG	1	2861570000



CA-T2WB-10M-7.4/1p-R-BBG



Charging cable for up to 7.4 kW charging power with 1-phase connection, plug type charging point: open, plug type vehicle: type 2, 5.5 m cable length, plug color black/grey, cable color black

straight
10 m
up to 7,4 kW at 1-phase connection
1
Control Pilot (CP) / Proximity Pilot / Plug Present (PP)
32 A / 230 V AC
open cable end, single wires crimped with wire end ferrule (L1/N/PE = 6 mm ² , CP = 0.5 mm ²)
Type 2 plug
IP55 (with protective cap, when installed)
-30 °C...+50 °C
black
black / grey
EN 50620
IEC 62196-1 / -2
CE
TÜV certified

Type	Qty.	Order No.
CA-T2WB-10M-7.4/1p-R-BBG	1	286 1580000

DC Charging cables

The CCS2 fast charging cables (combined charging system) are used for direct current charging of electric vehicles. They are fitted with an ergonomically designed CCS2 plug on the vehicle side. The charging station side is already pre-assembled for connection. The charging cables feature temperature monitoring to protect against overheating and damage.

CA-CCS2WB-5/7.5M-80A-DC-R-BB



CA-CCS2WB-5/7.5M-125A-DC-R-BB



Technical data

Short description	
Charge mode	
Cable type	
Cable length	
max. charging power	
Vehicle communication type	
max. rated capacity	
Connection - charging point	
Connection - vehicle	
Protection degree	
Operating temperature	
Cable colour	
Temperature monitoring of the charging cable	
Approvals and norms	

Mode 4 charging cable for up to 80 kW charging power, 80 A charging current, internal temperature monitoring, Connection charging point: open cable end, Connection to vehicle: CCS2 plug, 5m cable length, plug color black, cable colour black
Mode 4
straight
5 m / 7,5 m
up to 80 kW
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
80 A / 1000 V DC
open conductor end, single wires crimped with ferrule also with ring cable lug (DC+/DC- = 16 mm ² , PE = 25 mm ² , PP/CP/T1+/T1-/T2+/T2- = 0.75 mm ²)
CCS2 Plug
IP 55
-30...+50°C
black
2x Pt 1000
IEC 62196-3:2016
TÜV
CE
RoHS

Mode 4 charging cable for up to 125 kW charging power, 125 A charging current, internal temperature monitoring, Connection charging point: open cable end, Connection to vehicle: CCS2 plug, 5m cable length, plug color black, cable colour black
Mode 4
straight
5 m / 7,5 m
up to 125 kW
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
125 A / 1000 V DC
open conductor end, single wires crimped with ferrule also with ring cable lug (DC+/DC- = 35 mm ² , PE = 25 mm ² , PP/CP/T1+/T1-/T2+/T2- = 0.75 mm ²)
CCS2 Plug
IP 55
-30...+50°C
black
2x Pt 1000
IEC 62196-3:2016
TÜV
CE
RoHS

Ordering data

Type	Qty.	Order No.
CA-CCS2WB-5M-80A-DC-R-BB	1	2986180000
CA-CCS2WB-7.5M-80A-DC-R-BB	1	3011050000

Type	Qty.	Order No.
CA-CCS2WB-5M-125A-DC-R-BB	1	3011160000
CA-CCS2WB-7.5M-125A-DC-R-BB	1	3011150000

Type	Qty.	Order No.
CA-CCS2WB-5M-125A-DC-R-BB	1	3011160000
CA-CCS2WB-7.5M-125A-DC-R-BB	1	3011150000



CA-CCS2WB-5/7.5M-150A-DC-R-BB



Mode 4 charging cable for up to 150 kW charging power, 150 A charging current, internal temperature monitoring, Connection charging point: open cable end, Connection to vehicle: CCS2 plug, 5m cable length, plug color black, cable colour black

Mode 4
straight
5 m / 7,5 m
up to 150 kW
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
150 A / 1000 V DC
open conductor end, single wires crimped with ferrule also with ring cable lug (DC+/DC- = 50 mm ² , PE = 25 mm ² , PP/CP/T1+/T1-/T2+/T2- = 0.75 mm ²)
CCS2 Plug
IP 55
-30...+50°C
black
2x Pt 1000
IEC 62196-3-2016
TÜV
CE
RoHS

CA-CCS2WB-5/7.5M-200A-DC-R-BB



Mode 4 charging cable for up to 200 kW charging power, 200 A charging current, internal temperature monitoring, Connection charging point: open cable end, Connection to vehicle: CCS2 plug, 5m cable length, plug color black, cable colour black

Mode 4
straight
5 m / 7,5 m
up to 200 kW
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
200 A / 1000 V DC
open conductor end, single wires crimped with ferrule also with ring cable lug (DC+/DC- = 70 mm ² , PE = 25 mm ² , PP/CP/T1+/T1-/T2+/T2- = 0.75 mm ²)
CCS2 Plug
IP 55
-30...+50°C
black
2x Pt 1000
IEC 62196-3-2016
TÜV
CE
RoHS

Type	Qty.	Order No.
CA-CCS2WB-5M-150A-DC-R-BB	1	3011250000
CA-CCS2WB-7.5M-150A-DC-R-BB	1	3011210000

Type	Qty.	Order No.
CA-CCS2WB-5M-200A-DC-R-BB	1	3011240000
CA-CCS2WB-7.5M-200A-DC-R-BB	1	3011200000

DC Charging cables

The CCS2 fast charging cables (combined charging system) are used for direct current charging of electric vehicles. They are fitted with an ergonomically designed CCS2 plug on the vehicle side. The charging station side is already pre-assembled for connection. The charging cables feature temperature monitoring to protect against overheating and damage.

CA-CCS2WB-5/7.5M-250A-DC-R-BB



CA-CCS2WB-5/7.5M-300A-DC-R-BB



Technical data

Short description
Charge mode
Cable type
Cable length
max. charging power
Vehicle communication type
max. rated capacity
Connection - charging point
Connection - vehicle
Protection degree
Operating temperature
Cable colour
Temperature monitoring of the charging cable
Approvals and norms

Mode 4 charging cable for up to 250 kW charging power, 250 A charging current, internal temperature monitoring, Connection charging point: open cable end, Connection to vehicle: CCS2 plug, 5m cable length, plug color black, cable colour black
Mode 4
straight
5 m / 7,5 m
up to 250 kW
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
250 A / 1000 V DC
open conductor end, single wires crimped with ferrule also with ring cable lug (DC+/DC- = 80 mm ² , PE = 25 mm ² , PP/CP/T1+/T1-/T2+/T2- = 0.75 mm ²)
CCS2 Plug
IP 55
-30...+50°C
black
2x Pt 1000
IEC 62196-3-2016
TÜV
CE
RoHS

Mode 4 charging cable for up to 300 kW charging power, 300 A charging current, internal temperature monitoring, Connection charging point: open cable end, Connection to vehicle: CCS2 plug, 5m cable length, plug color black, cable colour black
Mode 4
straight
5 m / 7,5 m
up to 300 kW
Control Pilot (CP), Proximity Pilot / Plug Present (PP)
300 A / 1000 V DC
open conductor end, single wires crimped with ferrule also with ring cable lug (DC+/DC- = 95 mm ² , PE = 25 mm ² , PP/CP/T1+/T1-/T2+/T2- = 0.75 mm ²)
CCS2 Plug
IP 55
-30...+50°C
black
2x Pt 1000
IEC 62196-3-2016
TÜV
CE
RoHS

Ordering data

Type	Qty.	Order No.
CA-CCS2WB-5M-250A-DC-R-BB	1	3011230000
CA-CCS2WB-7.5M-250A-DC-R-BB	1	3011190000

Type	Qty.	Order No.
CA-CCS2WB-5M-300A-DC-R-BB	1	3011220000
CA-CCS2WB-7.5M-300A-DC-R-BB	1	3011180000



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