

Data sheet

SOLO premiumline

Model: socket, calibration law-compliant, service RCD

Article no. 12235818



The SOLO premiumline is particularly suitable for publicly accessible charging points in car parks and underground garages as well as for connected use at employers or in apartment buildings.

It is AFIR-compliant and its 3.5" display can be used to show secure QR codes for direct payment. Alternatively, charging can be authorised via RFID card or app.

The SOLO is open to any OCPP backend and can be billed via the SAM module in compliance with calibration law. It has a Type 2 socket and offers fast charging with up to 22 kW (AC).



Highlights

- Charging with up to 22 kW AC
- Giro-e able
- Calibration law-compliant billing via SAM storage and display module
- Convenient single-hand operation
- LAN and 4G connectivity
- AFIR-compliant thanks to display with QR codes for direct payment, as well as PLC modem and ISO 15118 communication
- High cybersecurity according to RED
- Connection to IT backends via: OCPP 1.6J
- Energy/load management: Modbus protocol
- Ambient lighting
- Accessible SIM card slot for inserting or exchanging the SIM card
- RCD self-test functionality
- RCD resetable with sliding cover

Accessories

- Pole for one SOLO
- Pole for two SOLOs
- SMC-base for Pole

Technical data

General

Charging mode	AC, Mode 3
Number of charging points	1
Charging connector	Type 2 socket (incl. sliding cover)
IT backend connection	OCPP 1.6 JSON
Authorisation	Free charging, RFID, smartphone app
Package dimensions (H x W x D)	Wall mounted: 735 x 320 x 205 mm

Mechanical details

Mounting type	Wall mounted (WM)
Enclosure material	Thermoplastic material
Surface	Scratch-resistant coating
Lock	profile half cylinder addable
Dimensions (H x W x D)	Wall mounted: 660 x 250 x 150 mm
Weight	Approx. 8 kg

Electrical data

Maximum charging output per charge point	22 kW: Typ 2 socket
Nominal voltage, number of phases, nominal frequency	400 V; 3; 50 Hz
Maximum input current	32 A per Phase, configurable
Maximum output current	32 A
Device power consumption in standby mode	< 9 W
Connections	5-pole terminals (max. 10 mm² rigid or 6mm² flexible)
Earthing system	TN, TT
Protection	RCD type A; DC residual current detection 6 mA; overvoltage protection type 1+2+3
Protection class	2
Welding detection	Hardware-redundant shutdown

Technical data

Connectivity

Communication interface to IT backends	LAN, mobile data network (2G/4G)
Protocols for communication with IT backends	OCPP 1.6 JSON
Protocols for communication with third-party devices	Modbus TCP/IP
Communication interface EV and EVSE	ISO 15118-2 according to AFIR
Control ability	Control contacts for power adjustment
Update capability	LAN, mobile data
User interface	3.5" Display
Status display	LED status indicator for each charge point
Display	3.5" Display

Certification

IP protection class	IP54
Impact resistance	IK10
Meter / German calibration law	MID-compliant smart meter with SAM storage and display module
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	DIN EN 61851-1; DIN IEC/TS 61439-7; ISO 15118-2

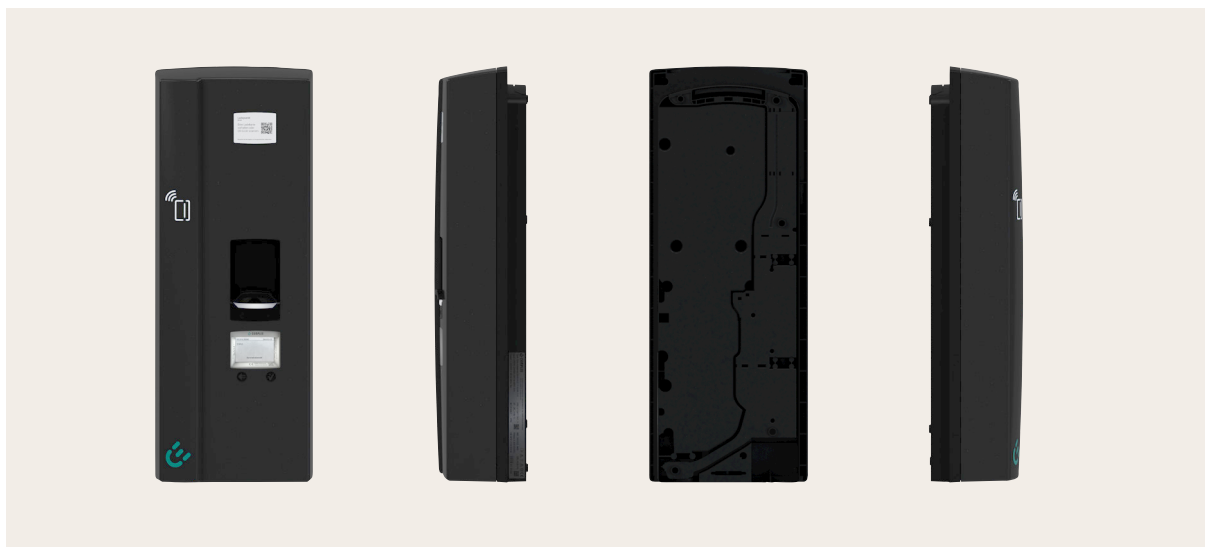
Environmental conditions

Storage temperature	-25 °C bis +50 °C
Environmental operating temperature	-25 °C to +40 °C
Humidity	< 95 % (non-condensing)
Degree of pollution	3
Areas of use	Internal & external areas
Operating altitude above sea level	Max. 2,000 m

Measurements



Abbildungen/Modellvarianten





Compleo Charging Solutions GmbH & Co. KG

Ezzestraße 8
44379 Dortmund
Germany

info@compleo-cs.com
compleo-charging.com

Technical changes and errors excepted.

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The power to move