



Data sheet DUO outdoor

Model: socket, Service RCD

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The professional DUO outdoor charging solution is ideal for commercial use. It features a durable housing that will never rust. As an all-in-one charging station, all components are already integrated in the DUO outdoor.

The charging station is particularly efficient in terms of installation and operating costs. It comes with a Service RCD as standard, which is automatically switched on again by the next user of the charging station when the sliding cover is pushed up. Scheduled RCD tests can be carried out and documented automatically at predefined test intervals.

The DUO outdoor has two Type 2 sockets and offers fast charging with up to 22 kW (AC) at each charging point. The charging station enables connectivity via LAN and mobile communications. It can be connected to any OCPP-enabled backend. With its display solution for showing QR codes and ISO 15118-2 communication, the charging station complies with European AFIR regulations.



The power to move

Highlights

- RCD can be reset via sliding cover to save testing and service costs
- With RCD self-test function
- Installation on SMC base simplifies setup, saves costs and also enables easy storage and transport
- 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
- Load management included, without additional hardware or software costs
- Connection of energy management systems via Modbus TCP, Smart Charging (OCPP 1.6) or control contacts
- Increased vandalism protection thanks to glass fibre reinforced plastic housing with high impact resistance (IK10, incl. display)
- Direct access for operators and installers to charging station configuration via web interface DUCTO

Accessories

- SMC base + base filler granulate
- Installation kit
For installation without prefabricated base

Technical data

General

| | |
|--------------------------------|---|
| Charging mode | AC, mode 3 |
| Number of charging points | 2 |
| Charging connector | 2x 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) | 1,650 x 800 x 1,200 mm, up to six charging stations on one Euro pallet |

Mechanical details

| | |
|------------------------|--|
| Mounting type | Base mounted (bm) |
| Enclosure material | Sheet moulding compound (SMC) |
| Surface | Painting: enclosure RAL 9003, textured paint |
| Lock | Swivelling lever, built-in space for one profile half cylinder |
| Dimensions (H x W x D) | 1,441 x 400 x 225 mm |
| Weight | Approx. 38 kg |

Electrical data

| | |
|--|---|
| Maximum charging output per charge point | 22 kW: Type 2 socket |
| Nominal voltage, number of phases, nominal frequency | 400 V; 3; 50 Hz |
| Maximum input current | 63 A per phase, configurable |
| Maximum output current | 32 A |
| Device power consumption in standby mode | < 13 W |
| Connections | 5-pole connection via main switch and PE terminal (up to 35 mm ²) |
| Earthing system | TN, TT |
| Protection | 2x RCD type A (Service RCD); 2x DC residual current detection 6 mA; 2x circuit breaker C20 3P or C40 3P; 1x circuit breaker B16 1P |
| Overvoltage protection | Type 1+2+3 compliant with DIN EN 61643-11 |
| Protection class | 2 |
| Welding detection | 2x hardware-based redundant cut-off |
| Measurement accuracy | Class A (DIN EN 50470) |
| Power factor cosφ | 0,90 - 1 |
| Calibration law | The measurement accuracy of this meter is guaranteed only from a minimum output energy quantity of 1 kWh |

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 |
| Update capability | LAN, mobile data |
| Status display | LED status indicator for each charge point |
| Display | Size: 4.3" display |

Certification

| | |
|--------------------------------|---|
| IP protection class | Enclosure: IP44; relevant components: IP54 |
| Impact resistance | IK10 |
| Meter / German calibration law | 2x MID-compliant smart meter |
| 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 to +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 | 2,000 m max. |

Technical data

Measurements



Illustrations





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The power to move

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Technical changes and errors excepted.

