



General

| Model name | Article no. |
|--|--|
| 2 x type 2 power socket, 3-phase, max. input current 35A per phase, RCD type A, 6mA DC detection | 934452504 |
| 2 x type 2 power socket, 3-phase, max. input current 64A per phase, RCD type A, 6mA DC detection | 934452502 |
| 2 x type 2 power socket, 3-phase, max. input current 25A per phase, RCD type A, 6mA DC detection | 934452501 |
| Packing unit (VPE) | 1 piece |
| Package content charging station | Alfen Twin™, installation manual, assembly accessories and RFID charge cards (depending on selected options) |

Optional factory settings

| Factory settings | Options |
|---|---|
| Authorisation | Plug & Charge RFID * |
| Maximum available charging current per socket | 20A 32A * |
| Smart charging options | Off Standard load balancing (between sockets) * Active load balancing (P1) * |
| User availability if temporarily offline | Accept all RFID cards Only cards registered in the database Not available |
| Behaviour if vehicle plug is disconnected on vehicle side | Terminate transaction and unlock plug Pause charging session until plug is reconnected |
| Optional back-office system | ICU Connect * Many others upon request * |
| Communication via * | GPRS UTP/LAN Autodetect |

REMARK

The settings marked with a * may result in additional costs when purchasing your charging station. The default settings are always mentioned first. For more information about the options, please contact your sales representative.

Input and power supply

Connection terminals

3-phase 20A charging, Grid Connection Box 3x35A 934452504:
max. 25 mm²

3-phase 2x22kW charging (32A selected per phase) 934452502:
max 35 mm², earth cable max 16mm²

3-phase 20A charging, Grid Connection Box 3x25A 934452501:
max. 25 mm²

Nominal input voltage (+/- 10%)

3x230V
400V (3x230V) potential difference between the phases

Protection

934452502: 3 phase: 1 x 80 A max 4P
934452501 and 934452504: all protective elements are already integrated in the product

Nominal frequency

50 Hz

Input: recommended minimum cable diameter

Strain relief, clamping range for cable thicknesses 17mm to 25,5mm

Grounding

TN-system (PE-cable)
TT-system (own installed earth electrode)

Main switch

4-pole, 80 A, 400 V (934452502)

Output and vehicle connection

Vehicle connection

2 x type 2 power socket, compliant with IEC62196-2

Output voltage (+/- 10%)

400 V (934452501, 934452502, 934452504)

Max. charging current

32 A per phase (22kW per power socket) (934452502)
20 A per phase (13.75kW per power socket) (934452501, 934452504)

Load balancing

Optional
Required for connections with a capacity lower than the sum of the maximum capacity of both sockets

Protection and integrated components

Residual current protection

Type A 30mA, per socket
DC current detection 6mA, per socket

Energy meter

1x kWh-meter per socket, MID-certified

Power switching relay

Integrated, simultaneous activation

Overcurrent protection

Integrated in firmware; shutdown at:
105% after 1000 seconds;
110% after 100 seconds;
120% after 10 seconds;
150% after 2 seconds



Charging and access

| | |
|---------------------------------|--|
| Controllers | Central unit for sockets and communication |
| Communication with vehicle | Mode 3 |
| Status indication | User interface equipped with LED's |
| Card reader | RFID (NFC) ISO/IEC 14443A/B, Mifare 13,56 MHz, DESFire |
| Internet / Network capabilities | GPRS, Ethernet/ LAN |
| Communication protocol | OCPP 1.5 (JSON) OCPP 1.6 (JSON) |
| Back-end connection | ICU Connect (optional) of other back-end system (upon request) |
| Communication with Smart Meter | DSMR 4.0 en hoger via P1 poort (RJ11) (934452502) |

Standards and guidelines

| | |
|-----------|---|
| Standards | IEC 61851-1 (2017), IEC 61851-22, Renault Z.E. Ready Guidelines |
|-----------|---|

Operating conditions

| | |
|---------------------------|-----------------|
| Operating temperature | -25°C to 40°C |
| Relative humidity | 5% to 95% |
| Protection class | I |
| Protection level (casing) | IP54 |
| IK protection | IK10 |
| Stand-by consumption | Approx. 9 - 12W |

Casing

| | |
|------------------------|--|
| Type | Charging column |
| Mounting options | Directly on solid underground or on optional metal or concrete pedestal |
| Material (casing) | Cold-rolled stainless steel 304 |
| Colour (casing) | RAL 7043 (Traffic Grey B) |
| Locking | Lockable lever with space for two cylinder locks (not included) Standard master key included for door operating |
| Dimensions (H x W x D) | |
| Casing | 1385 x 335 x 220 mm |
| Packaging | 1400 x 350 x 300 mm |
| Weight | |
| Casing | Approx. 40 kg |
| Packaging | Approx. 2,5 kg |



Accessories

Concrete pedestal

833829300-ICU

Dimensions (H x W x D)

570 x 350 x 220 mm

Weight

42 kg

Metal pedestal

803828601-ICU

Dimensions (H x W x D)

598 x 204 x 300 mm

Weight

7,8 kg

Packaging (H x W x D)

50 x 295 x 620 mm

Additional RFID card

203120010-ICU

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REMARK

Every effort has been made to ensure that the information in this document is accurate. Alfen is not responsible for printing or clerical errors.