

Eve Double Plus Public DE

Technical specification



ALFEN
POWER TO ADAPT

Product Variants

	Article no.	Compatible with
Eve Double Plus Public DE, no GCB components	904463222	Eve Double Plus: one & two feeder cables
Eve Double Plus Public DE, 1 electronic domestic meter	904463221	Eve Double Plus: one feeder cable
Eve Double Plus Public DE, 2 electronic domestic meters	904463226	Eve Double Plus: two feeder cables
Eve Double Plus Public DE, 3 point meter	904463225	Eve Double Plus: one feeder cable

Packaging unit: Eve Double GCB Cabinet, 1 piece

Scope of delivery: Eve Double GCB Cabinet, quick installation guide, installation materials, hoist ring

Eve Double GCB Cabinet will be delivered without Eve Double Plus charging station, this has to be ordered separately.

General Product Specifications

For charging station specifications, use the Eve Double Plus datasheet.

Earthing systems	TN, TT systems
Frame clamp for round conductors, single- and multi-stranded	AL/CU 10 - 95 mm ²
Frame clamp for sectional conductors, single- and multi-strand	AL/CU 50 - 95 mm ²
Rated input voltage (+/- 10%)	400 V (3x230 V)
Rated frequency	50 Hz
Icc	80 kA
Cable diameters	30 - 45 mm
Mounting options	Directly on solid ground or concrete base
Housing material	Stainless steel 1.4016 / 1.4301
Housing colors	RAL 7043 (Traffic grey B)
Locking	Lockable lever with space for 2 lock cylinders on meter side Door with internal lock on GCB side Lock cylinder type - half cylinder 30 / 10 mm
Dimensions outside (LxWxD)	1318x425x420 mm (cabinet) 1318x425x650 mm (with charger mounted)

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Dimensions inside (LxWxD)

Door left side: 1120x300x203 mm
Door right side: 1120x300x150 mm

Packaging (LxWxD)

1400x540x620 mm

Weight

With 1eHZ: 74 kg
With 2eHZ: 72 kg
With DPZ: 69 kg
Without GCB: 54 kg

Weight incl. packaging

With 1eHZ: 99 kg
With 2eHZ: 97 kg
With DPZ: 94 kg
Without GCB: 74 kg

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Grid Connection Components: 1 electronic domestic meter

Conformity

According to:

- DIN EN IEC 61439-1:2021-10
- DIN EN IEC 61439-2:2021-10
- DIN EN IEC 61439-7:2024-07
- VDE-AR-N 4100:2019-04

Grid connection box

3 NH00 Fuse holder with PE + N-terminal (bridged)

Dimensions: 412 x 238 x 132 mm

Space for meter connectivity equipment

DO Fuse holder block with screw cap D01 / 16 A

2-conductor terminal block 10 mm², blue, "N"

3 pole plug (according to VDE AR 4100/7.8.2)

Dimensions: 150 x 300 x 132 mm

Meter housing

1 x mounting and contacting unit incl. sensor (according to BKE-I)

Dimensions: 300 x 300 x 132 mm

Space for grid connection

1 x MCB C32 / 10 kA, 3 pole

Dimensions: 150 x 300 x 152 mm

Space for installation connection

1 x Residual Current Device / MCB B10 / 0.03 A / 10 kA, 1+N

1 x Surge Protection Device (Dehn DVA EMOB 3P 255 FM)

1 x Schuko socket

1 x rubber sheathed cable (H07 RN-F5G6)

side 1: connected

side 2: prepared for wall-mounted charging station connection

Dimensions: 150 x 300 x 153 mm

Additional

Below the grid connection box

Cable rail, length 100 mm, incl. 1 x clamp

Below the casing combination

2 x Cable clamp

1 x Equipotential busbar

Cable diameter range supported by the cable strain relief

28 mm to 34 mm

Torque for PE conductor

15Nm



Grid Connection Components: 2 electronic domestic meters

Conformity

According to:

- DIN EN IEC 61439-1:2021-10
- DIN EN IEC 61439-2:2021-10
- DIN EN IEC 61439-7:2024-07
- VDE-AR-N 4100:2019-04

Grid connection box

3 NH00 Fuse holder with P N-terminal (bridged)

Dimensions: 412 x 238 x 132 mm

Space for meter connectivity equipment

DO Fuse holder block with screw cap D01 / 16 A

2-conductor terminal block 10 mm², blue, "N"

3 pole plug (according to VDE AR 4100/7.8.2)

Dimensions: 150 x 300 x 132 mm

Meter housing

2 x mounting and contacting unit incl. sensor (according to BKE-I)
without meter

Dimensions: 300 x 300 x 132 mm

Space for grid connection

2 x MCB C32 / 10 kA, 3 pole

Dimensions: 150 x 300 x 153 mm

Space for installation connection

1 x Residual Current Device / MCB B10 / 0.03 A / 10 kA, 1+N

1 x Surge Protection Device (Dehn DVA EMOB 3P 255 FM)

1 x Schuko socket

Dimensions: 150 x 300 x 153 mm

Additional

Below the grid connection box

Cable rail, length 100 mm, incl. 1 x clamp

Below the casing combination

2 x Cable clamp incl. cable ties

1 x Equipotential busbar

Torque for PE conductor

15Nm



Grid Connection Components: Meter with 3 point mounting

Conformity

According to:

- DIN EN IEC 61439-1:2021-10
- DIN EN IEC 61439-2:2021-10
- DIN EN IEC 61439-7:2024-07
- VDE-AR-N 4100:2019-04

Grid connection box

3 NH00 Fuse holder with P N-terminal (bridged)

Dimensions: 412 x 238 x 132 mm

Meter housing

suitable for meter with 3 point mounting

Space for grid connection

1x Load-break switch 63 A / 25 kA, 3 pole

Dimensions: 150 x 300 x 153 mm

Space for installation connection

2 x MCB C32 / 10 kA, 3 pole

1 x Residual Current Device / MCB B10 / 0.03 A / 10 kA, 1+N

1 x Surge Protection Device (Dehn DVA EMOB 3P 255 FM)

1 x Schuko socket

Dimensions: 150 x 300 x 153 mm

Additional

Cable rail, length 100 mm, incl. 1 x clamp

2 x Cable clamp

1 x Equipotential busbar

Torque for PE conductor

15Nm

Environmental Conditions and Product Properties

Ambient temperature for operation

-25 °C to +55 °C **

Relative atmospheric humidity

5% - 100%

Protection class

Class II

Ingress protection according to IEC60529

Electrical components: IP44

Cabinet: IP20

Impact protection rating

IK10

Mechanical impact resistance to table 702 of DIN IEC 61439-7

High resistance (5.702.3)

Environmental conditions

outdoor use

Corrosion withstand classification according to ISO 12944

C4 (up to 15 years)*

*** Note:** Not intended for coastal applications. Environments with high chloride content may still cause wear and tear to the installation.

**** Note:** Installing the charging station in direct sunlight might lead to high temperatures and reduced performance as a result of derating. The charging station must not be exposed to direct sunlight.