

EV-T2M3C-3AC32A-8,5M6,0ESBK00 - AC charging cable



1010320

<https://www.phoenixcontact.com/us/products/1010320>

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CHARX connect, Type 2, cable: 8.5 m, straight, IEC 62196-2, AC charging cable with Vehicle Connector, open cable end, with protective cap, NOTE: Cable management may be required.



Product description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, for installation at charging stations for e-mobility (EVSE)

Your advantages

- Consistent design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- Silver-plated surface of the power and signal contacts
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Convenient handling, thanks to the ergonomic handle and additional, rubber grip components

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1010320 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | XWBAAC |
| GTIN | 4055626484129 |
| Weight per piece (including packing) | 4,976 g |
| Weight per piece (excluding packing) | 4,976 g |
| Country of origin | DE |

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Technical data

Notes

| | |
|---------|---|
| General | NOTE: Cable management may be required. |
| General | Cable management is required in certain regions if the cable length exceeds 5.0 m (Switzerland) or 7.5 m (USA) (IEC 61851-1). |

Product properties

| | |
|-------------------|---|
| Product type | AC charging cable |
| Product family | CHARX connect |
| Application | AC charging cable with Vehicle Connector, open cable end, with protective cap |
| Charging standard | Type 2 |
| Charging mode | Mode 3, Case C |

Electrical properties

Charging power and current (AC charging (3-phase))

| | |
|--------------------------|-------------------|
| Type of charging current | AC 3-phase |
| Charging current | 32 A AC (3-phase) |
| Charging power | 26.6 kW (3-phase) |
| Rated voltage | 480 V |

Cable/line

| | |
|--------------------------------|---|
| Cable length | 8.5 m |
| Wiring standards/regulations | prEN 50620/DIN EN 50620 |
| Wiring certifications | VDE |
| Cable weight | max. 505.00 kg/km |
| Cable type | Class 5 |
| Cable type | straight |
| Cable structure | 5 x 6.0 mm ² + 1 x 0.5 mm ² |
| External cable diameter | 17.00 mm ±0.4 mm |
| Outer sheath, material | TPE-U |
| Stripping length of the sheath | 45 mm ±10 mm |
| Stripping length | 45 mm ±10 mm |
| Cable resistance | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Bending radius | min. 127.5 mm (7.5x diameter) |
| Cable length | 8.5 m |
| Stripping length | 45 mm ±10 mm |
| External cable diameter | 17.00 mm ±0.4 mm |
| Cable type | Class 5 |
| Wiring certifications | VDE |
| Wiring standards/regulations | prEN 50620/DIN EN 50620 |

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| | |
|------------------|---|
| Cable resistance | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |
|------------------|---|

Standards and regulations

| | |
|-----------------------|-------------|
| Standards | |
| Standards/regulations | IEC 62196-2 |

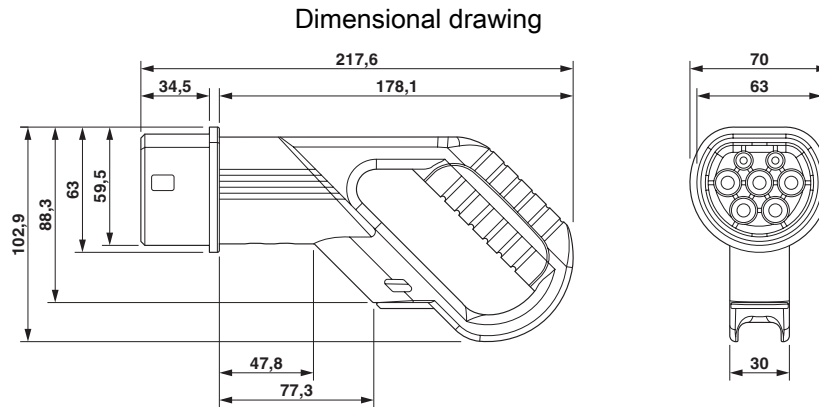
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Drawings



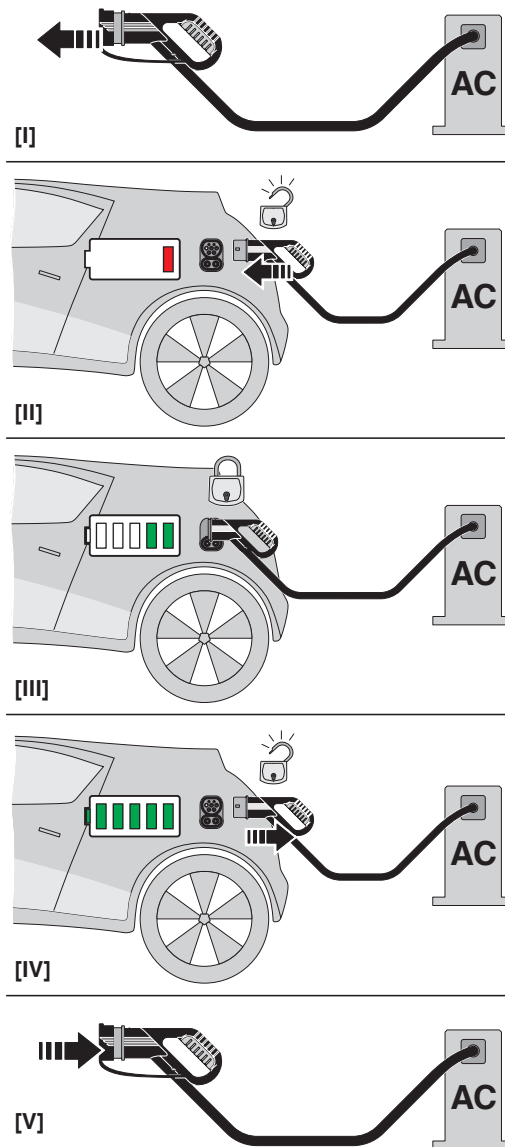
Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging connector. Detailed dimensions can also be found in the Download area.

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Schematic diagram



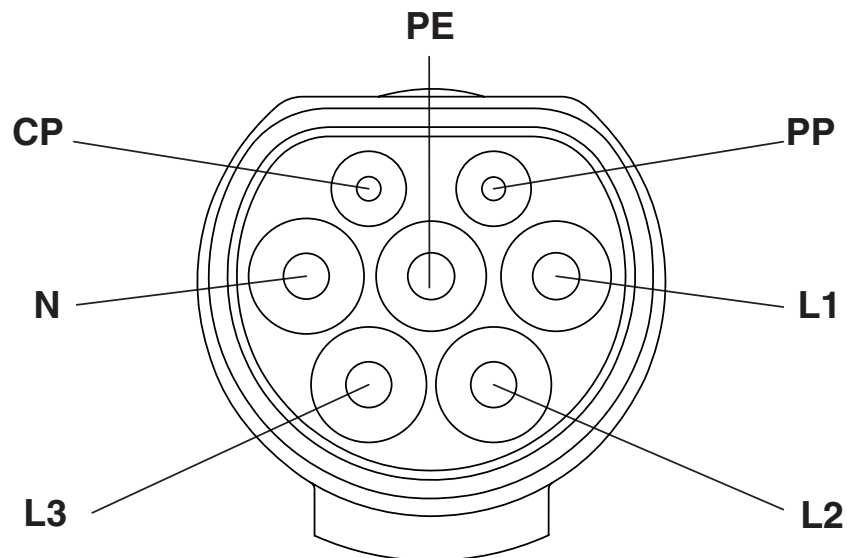
Operating instructions

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Schematic diagram



Pin assignment of the Vehicle Connector

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121522 |
|-------------|----------|

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Environmental product compliance

| | |
|--|---|
| China RoHS | |
| Environment friendly use period (EFUP) | EFUP-10 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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