

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



1622043

<https://www.phoenixcontact.com/us/products/1622043>

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CHARX connect, Type 2, cable: 5 m, straight, IEC 62196-2, AC charging cable with Vehicle Connector, open cable end, with protective cap



## 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                          | 1622043                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | EM01                           |
| Product key                          | XWBAAC                         |
| GTIN                                 | 4055626005164                  |
| Weight per piece (including packing) | 3.02 kg                        |
| Weight per piece (excluding packing) | 2.96 kg                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

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## Technical data

### 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                   | 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 <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>                       |
| 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                   | 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                                                 |
| Cable resistance               | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |

## Standards and regulations

### Standards

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

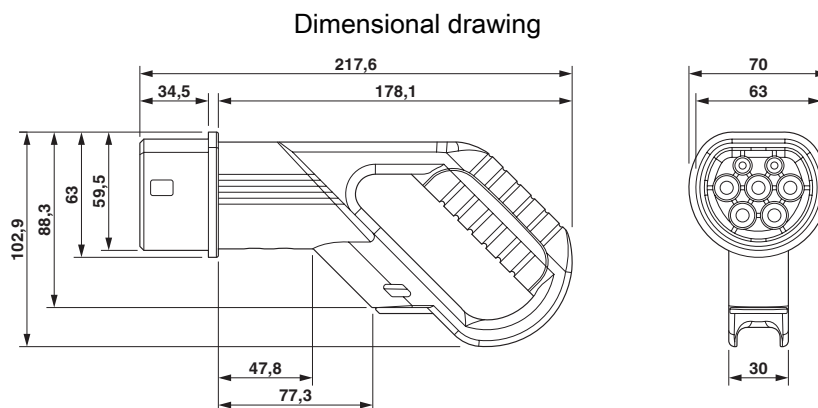
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## Drawings



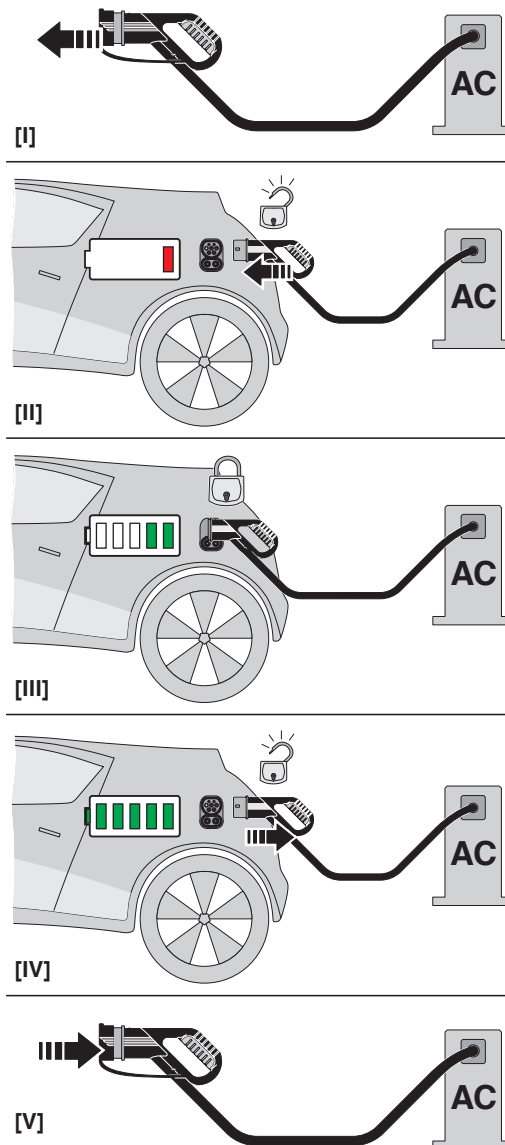
Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging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

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Schematic diagram



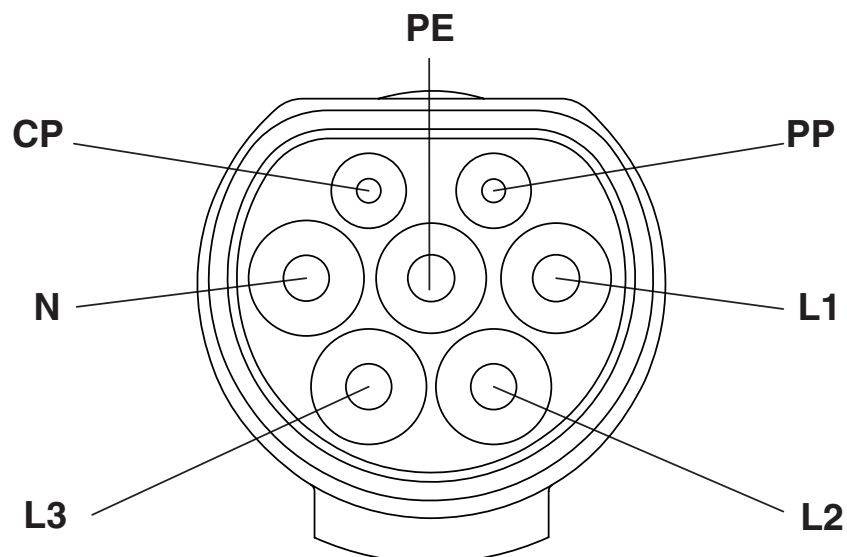
Operating instructions

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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<br>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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