

# EV-T2M3C-1AC20A-4,0M2,5ESBK00 - AC charging cable



1409319

<https://www.phoenixcontact.com/us/products/1409319>

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CHARX connect, Type 2, cable: 4 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                          | 1409319       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | XWBAAC        |
| GTIN                                 | 4046356868877 |
| Weight per piece (including packing) | 1.215 kg      |
| Weight per piece (excluding packing) | 1.165 kg      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                   |                   |
|-------------------|-------------------|
| Product type      | AC charging cable |
| Product family    | CHARX connect     |
| Charging standard | Type 2            |
| Charging mode     | Mode 3, Case C    |

### Electrical properties

#### Charging power and current (AC charging, 1-phase)

|                          |                   |
|--------------------------|-------------------|
| Type of charging current | AC single-phase   |
| Charging current         | 20 A AC (1-phase) |
| Charging power           | 5 kW              |

### Cable/line

|                                |  |
|--------------------------------|--|
| Cable length                   | 4 m  |
| Wiring standards/regulations   | prEN 50620/DIN EN 50620  |
| Wiring certifications          | VDE  |
| Cable weight                   | max. 163.00 kg/km  |
| Cable type                     | Class 5  |
| Cable type                     | straight   |
| Cable structure                | 3 x 2.5 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>                        |
| External cable diameter        | 10.20 mm ±0.3 mm   |
| Outer sheath, material         | TPE-U  |
| Stripping length of the sheath | 45 mm ±10 mm   |
| Stripping length               | 45 mm ±10 mm   |
| Cable resistance               | ≤ 0.00798 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Bending radius                 | min. 153 mm (15x diameter)   |
| Cable length                   | 4 m  |
| Stripping length               | 45 mm ±10 mm   |
| External cable diameter        | 10.20 mm ±0.3 mm   |
| Cable type                     | Class 5  |
| Wiring certifications          | VDE  |
| Wiring standards/regulations   | prEN 50620/DIN EN 50620  |
| Cable resistance               | ≤ 0.00798 Ω/m (based on a power core, at an ambient temperature of 20°C) |

### Standards and regulations

#### Standards

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

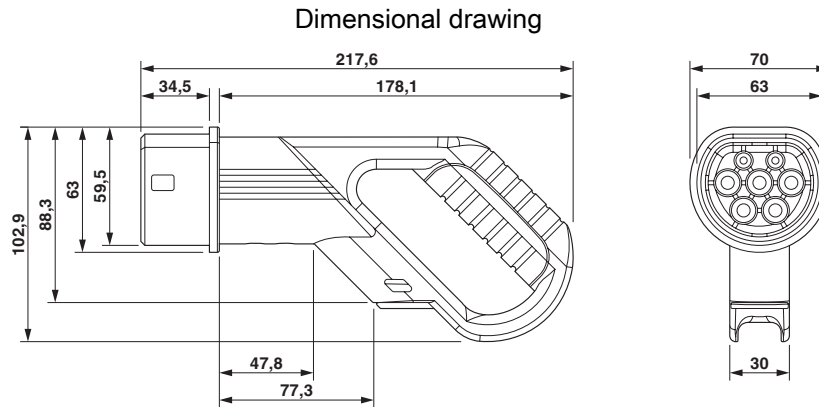
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## Drawings



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



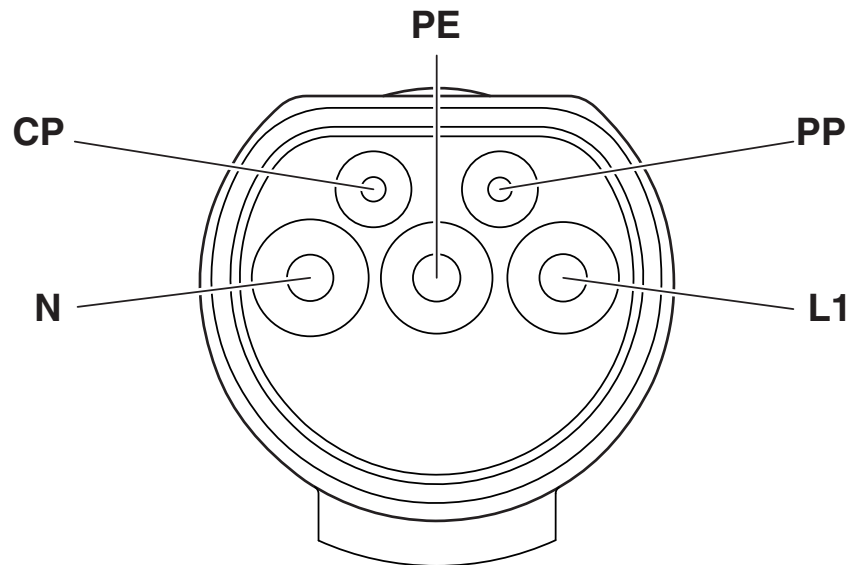
Operating instructions

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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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