

# EV-T2M3PC-1AC32A-4,0M6,0ESBK00 - AC charging cable



1404568

<https://www.phoenixcontact.com/us/products/1404568>

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CHARX connect, Type 2, cable: 4 m, straight, IEC 62196-2, Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap



## Product description

Mobile AC charging cable with vehicle charging connector and infrastructure charging plug for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, compatible with type 2 infrastructure charging sockets 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                          | 1404568                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | EM01                           |
| Product key                          | XWBAEC                         |
| GTIN                                 | 4046356699709                  |
| Weight per piece (including packing) | 2,230 g                        |
| Weight per piece (excluding packing) | 2,160 g                        |
| 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       | Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap |
| Charging standard | Type 2                                                                                       |
| Charging mode     | Mode 3, Case B                                                                               |

### Electrical properties

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

|                          |                   |
|--------------------------|-------------------|
| Type of charging current | AC single-phase   |
| Charging current         | 32 A AC (1-phase) |
| Charging power           | 8 kW              |
| Rated voltage            | 250 V             |

### Cable/line

|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| Cable length                 | 4 m                                                                     |
| Wiring standards/regulations | prEN 50620/DIN EN 50620                                                 |
| Wiring certifications        | VDE                                                                     |
| Cable weight                 | max. 305.00 kg/km                                                       |
| Cable type                   | Class 5                                                                 |
| Cable type                   | straight                                                                |
| Cable structure              | 3 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>                       |
| External cable diameter      | 12.80 mm ±0.4 mm                                                        |
| Outer sheath, material       | TPE-U                                                                   |
| Cable resistance             | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Bending radius               | min. 96 mm (7.5x diameter)                                              |
| Cable length                 | 4 m                                                                     |
| External cable diameter      | 12.80 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

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

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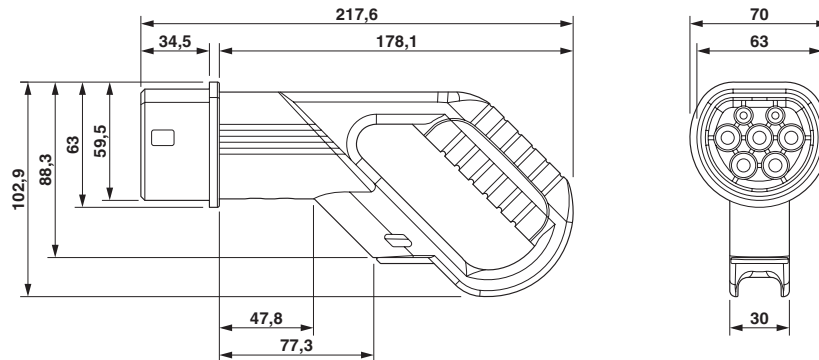


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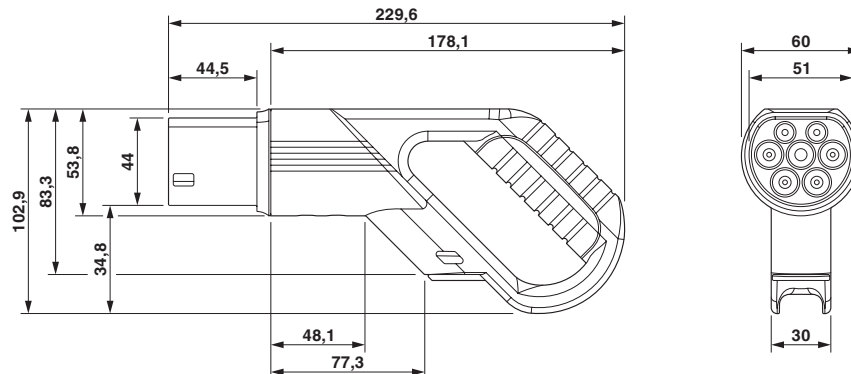
## Drawings

Dimensional drawing



Vehicle connector

Dimensional drawing

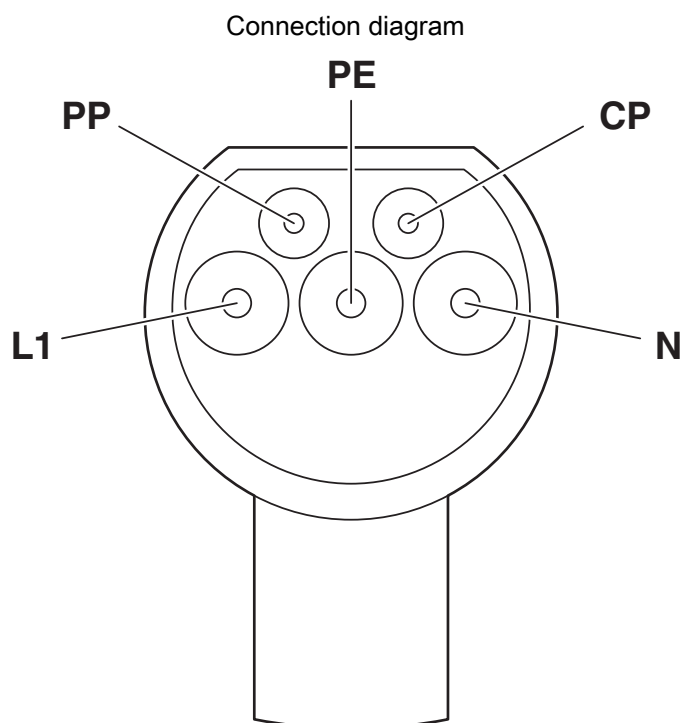


Infrastructure plug

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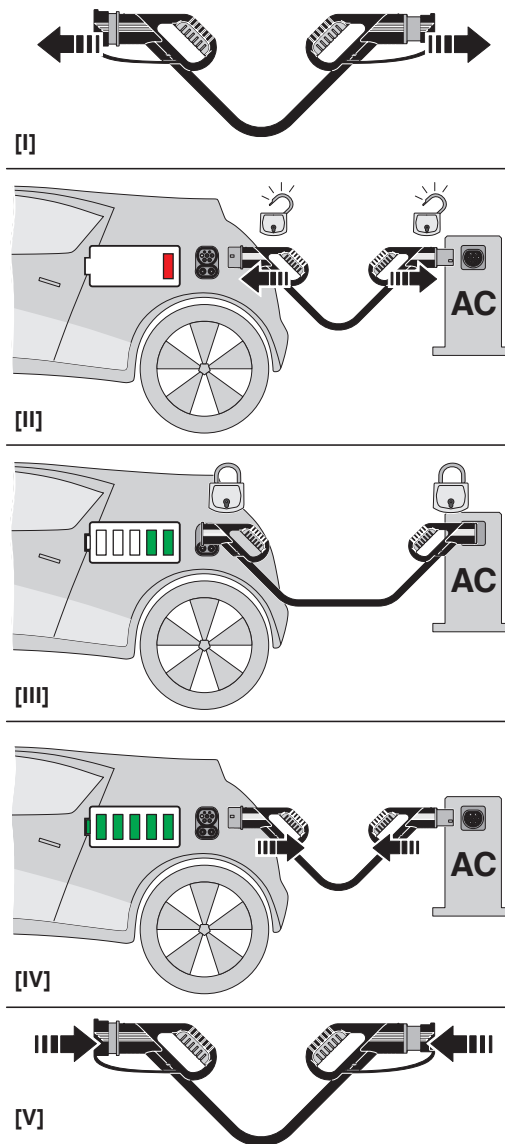
Pin assignment of Infrastructure Plug

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Schematic diagram



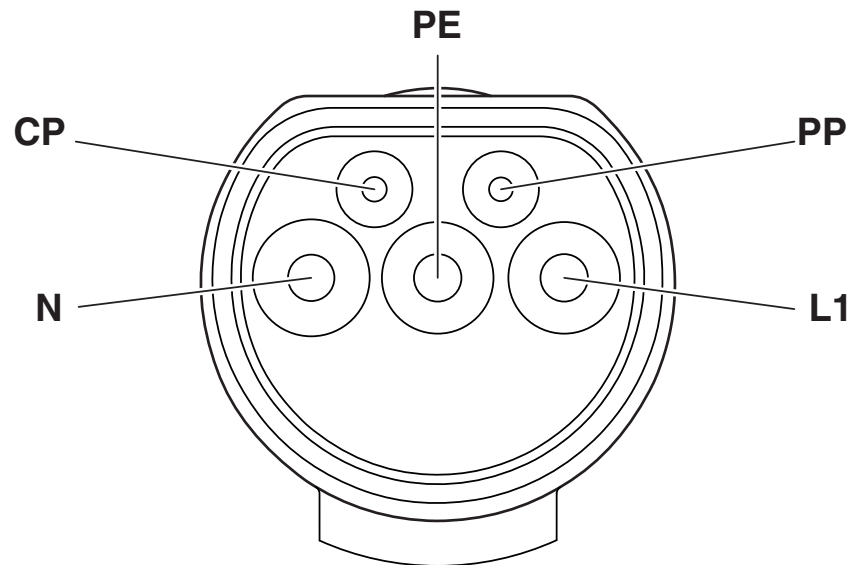
Operating instructions

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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) | <div>EFUP-10</div> <div>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.</div> |
| EU REACH SVHC                          |                                                                                                                                                                                                                                                                 |
| REACH candidate substance (CAS No.)    | No substance above 0.1 wt%                                                                                                                                                                                                                                      |

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