

# EV-T2M3P-1AC20A-4,0M2,5EHBK00 - AC charging cable



1623321

<https://www.phoenixcontact.com/us/products/1623321>

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CHARX connect, Type 2, cable: 4 m, spiraled, IEC 62196-2, AC charging cable with infrastructure plug, open cable end, with protective cap

## Product description

AC charging cable with Infrastructure Plug and open cable end for charging electric vehicles (EV) with alternating current (AC), compatible with type 2 Infrastructure Socket Outlets 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                          | 1623321       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | XWBABC        |
| GTIN                                 | 4055626141138 |
| Weight per piece (including packing) | 2,200 g       |
| Weight per piece (excluding packing) | 2,200 g       |
| 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            |

### 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 type                     | Class 5                                                                  |
| Cable type                     | spiraled                                                                 |
| 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                                                             |
| Block length                   | 0.68 m ±10 %                                                             |
| Coil diameter                  | 45 mm ±10 %                                                              |
| Effective length               | max. 4 m ±5 %                                                            |
| 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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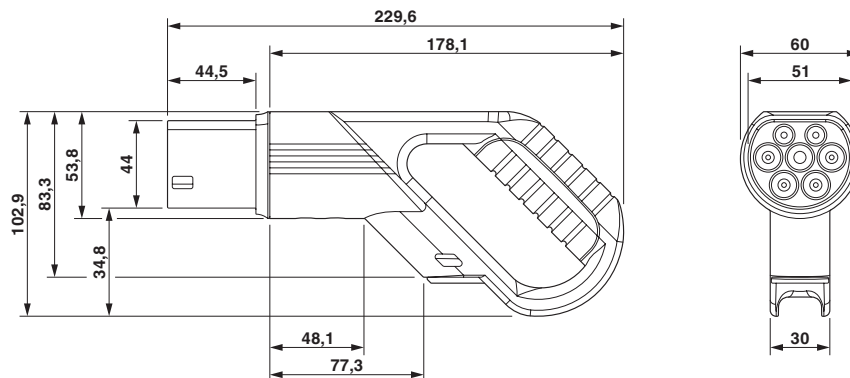


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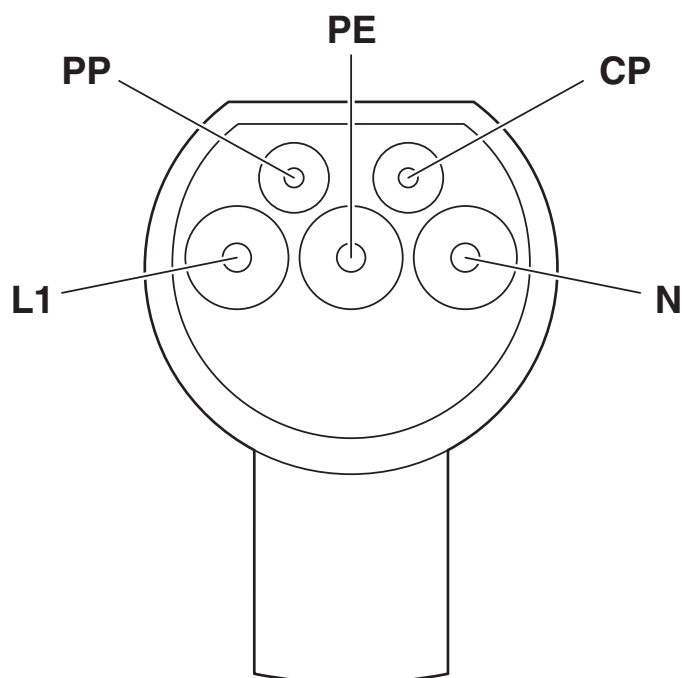
## Drawings

Dimensional drawing



Infrastructure plug

Connection diagram



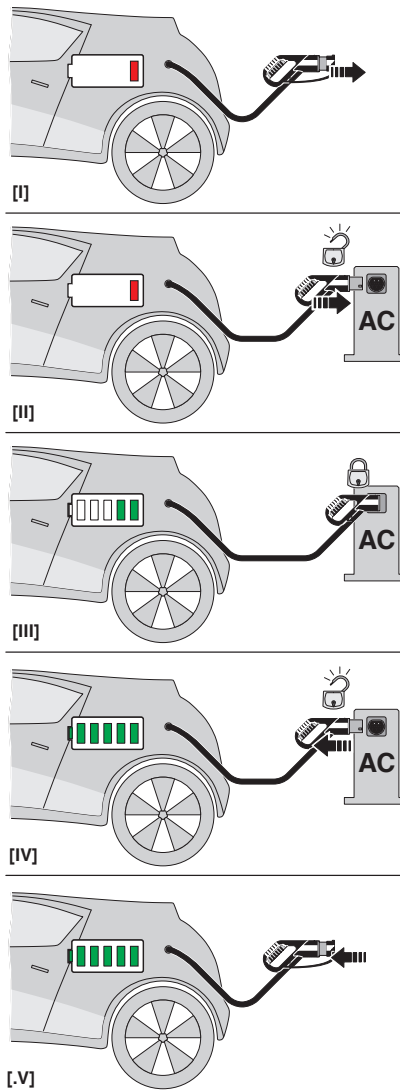
Pin assignment of Infrastructure Plug

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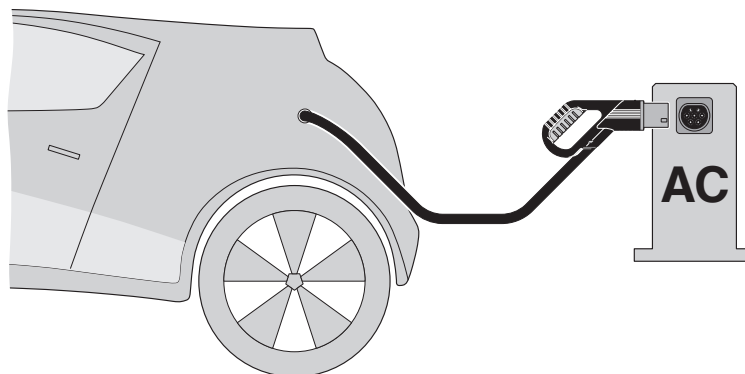
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Schematic diagram



Operating instructions

Schematic diagram



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## Classifications

### UNSPSC

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

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## Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Not applicable                                                                                                                                                                                                                    |
| 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. |

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