

# EV-T2M3C-3AC20A-4,0M2,5EHBK00 - AC charging cable



1405197

<https://www.phoenixcontact.com/us/products/1405197>

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CHARX connect, Type 2, cable: 4 m, spiraled, 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	1405197
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	EM01
Product key	XWBAAC
GTIN	4046356737074
Weight per piece (including packing)	2.28 kg
Weight per piece (excluding packing)	2.21 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
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	20 A AC (1-phase)
Charging power	16.63 kW
Rated voltage	440 V

### 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	5 x 2.5 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
Stripping length of the sheath	45 mm ±10 mm
Block length	0.63 m ±10 %
Coil diameter	60 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. 192 mm (15x diameter)
Cable length	4 m
Stripping length	45 mm ±10 mm
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	≤ 0.00798 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

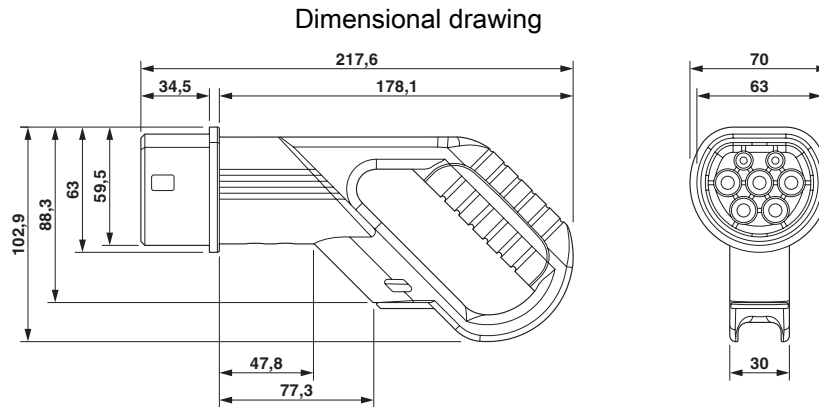
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## Drawings



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



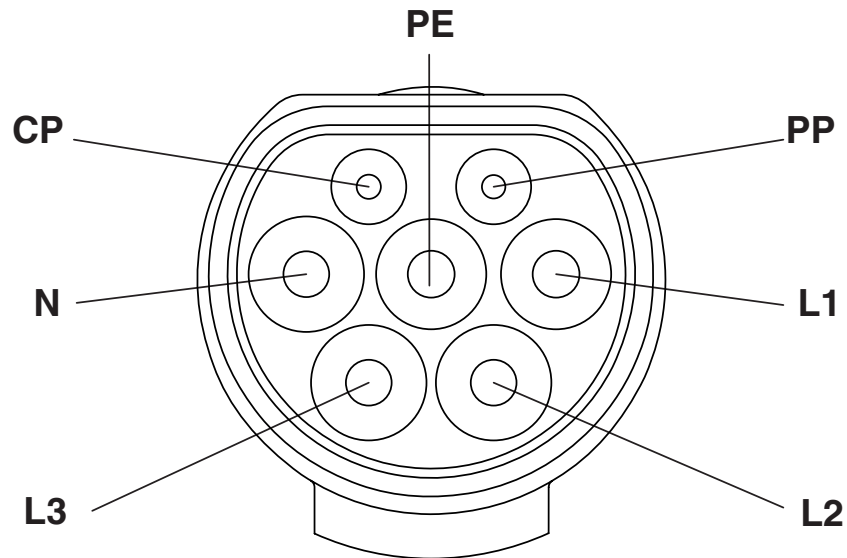
Operating instructions

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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
	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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)