

# EV-T1M3C-1AC20A-5,0M2,5ESBK00 - AC charging cable



1622045  
<https://www.phoenixcontact.com/us/products/1622045>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

CHARX connect, AC charging cable with Vehicle Connector, open cable end, with protective cap, Type 1, IEC 62196-2, SAE J1772, cable: 5 m, straight



## Product description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via type 1 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	1622045
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAAA
Catalog page	Page 742 (C-2-2017)
GTIN	4055626078281
Weight per piece (including packing)	1,950 g
Weight per piece (excluding packing)	1,941 g
Country of origin	DE

# EV-T1M3C-1AC20A-5,0M2,5ESBK00 - AC charging cable



1622045

<https://www.phoenixcontact.com/us/products/1622045>

## 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 mode	Mode 3, Case C
Charging standard	Type 1

### Electrical properties

Type of charging current	AC single-phase
Charging power	5 kW
Charging current	20 A

### Cable/line

Cable length	5 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	5 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
	SAE J1772

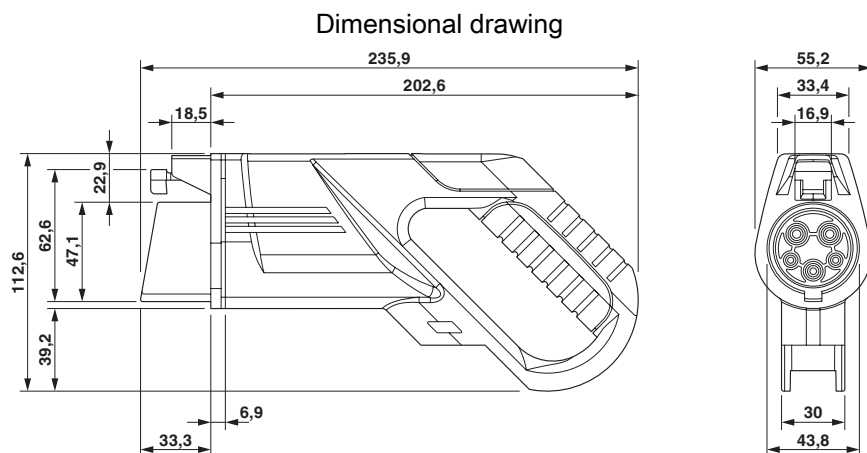
# EV-T1M3C-1AC20A-5,0M2,5ESBK00 - AC charging cable



1622045

<https://www.phoenixcontact.com/us/products/1622045>

## Drawings



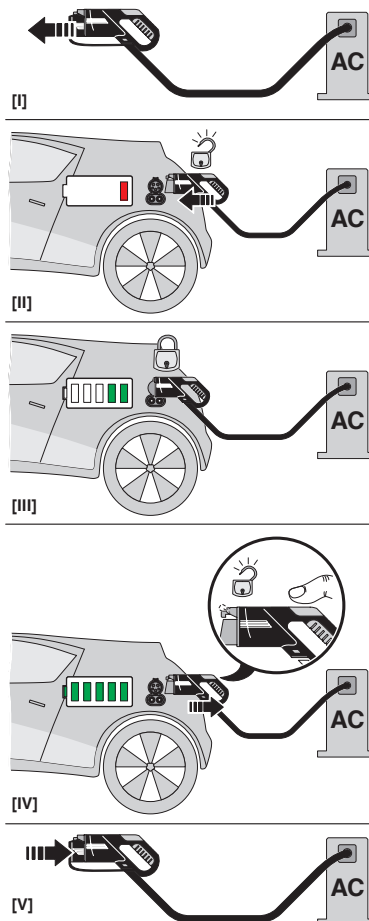
Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging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

# EV-T1M3C-1AC20A-5,0M2,5ESBK00 - AC charging cable

1622045

<https://www.phoenixcontact.com/us/products/1622045>

## Schematic diagram

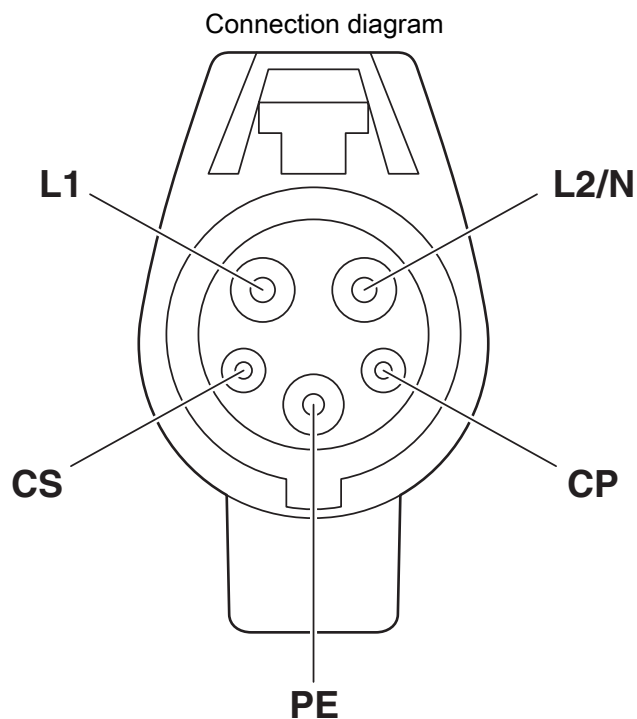


## Operating instructions

# EV-T1M3C-1AC20A-5,0M2,5ESBK00 - AC charging cable

1622045

<https://www.phoenixcontact.com/us/products/1622045>



Pin assignment of the Vehicle Connector

# EV-T1M3C-1AC20A-5,0M2,5ESBK00 - AC charging cable



1622045  
<https://www.phoenixcontact.com/us/products/1622045>

## 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%

# EV-T1M3C-1AC20A-5,0M2,5ESBK00 - AC charging cable



1622045

<https://www.phoenixcontact.com/us/products/1622045>

## Accessories

### EV-T1AC-PARK - Charging connector holder

1624139

<https://www.phoenixcontact.com/us/products/1624139>



CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), Type 1, SAE J1772, Front mounting, housing: black

---

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

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