

# EV-TAM3PC-1AC20A-8,0M2,5ESBK00 - AC charging cable



1627310  
<https://www.phoenixcontact.com/us/products/1627310>

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, Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, Type 1, Type 2, IEC 62196-2, SAE J1772, cable: 8 m, straight, NOTE: Cable management may be required.



## 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 1 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
- Convenient handling, thanks to the ergonomic handle and additional, rubber grip components

## Commercial data

Item number	1627310
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAEE
GTIN	4055626299815
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Country of origin	DE

# EV-TAM3PC-1AC20A-8,0M2,5ESBK00 - AC charging cable



1627310

<https://www.phoenixcontact.com/us/products/1627310>

## Technical data

### Notes

General	NOTE: Cable management may be required.
General	Cable management is required in certain regions if the cable length exceeds 5.0 m (Switzerland) or 7.5 m (USA) (IEC 61851-1).

### 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 mode	Mode 3, Case B
Charging standard	Type 1
	Type 2

### Electrical properties

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

### Cable/line

Cable length	8 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
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	8 m
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

# EV-TAM3PC-1AC20A-8,0M2,5ESBK00 - AC charging cable



1627310  
<https://www.phoenixcontact.com/us/products/1627310>

Standards/regulations	IEC 62196-2
	SAE J1772

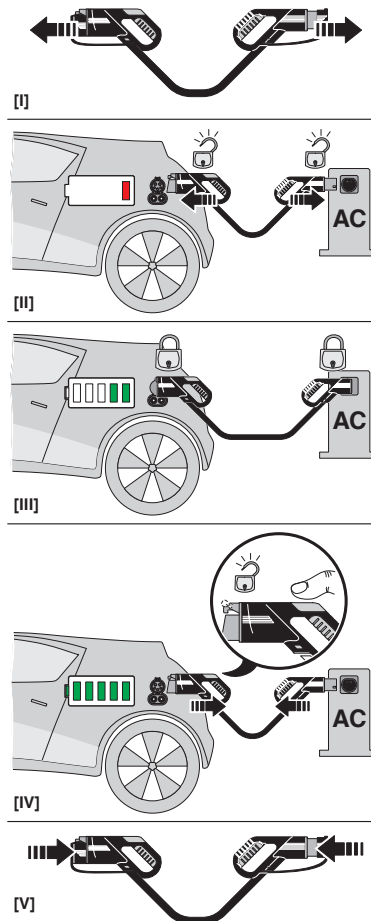
# EV-TAM3PC-1AC20A-8,0M2,5ESBK00 - AC charging cable

1627310

<https://www.phoenixcontact.com/us/products/1627310>

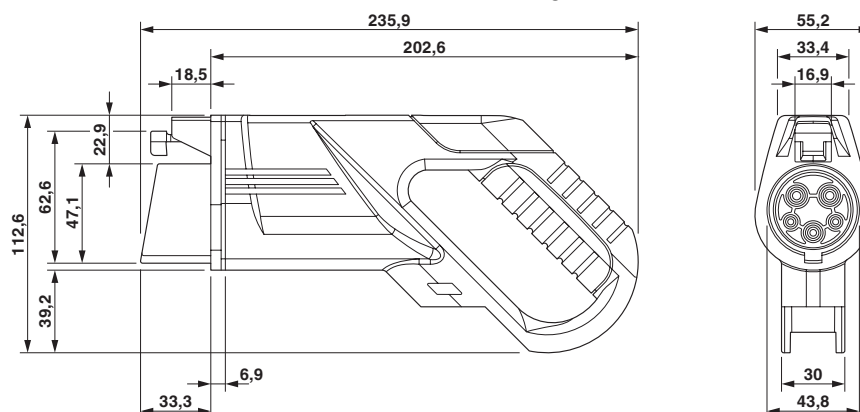
## Drawings

Schematic diagram



## Operating instructions

Dimensional drawing



## Vehicle connector

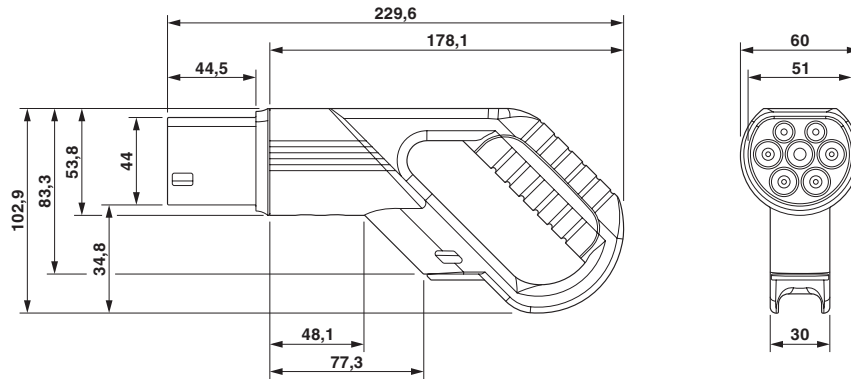
EV-TAM3PC-1AC20A-8,0M2,5ESBK00 - AC charging cable



1627310

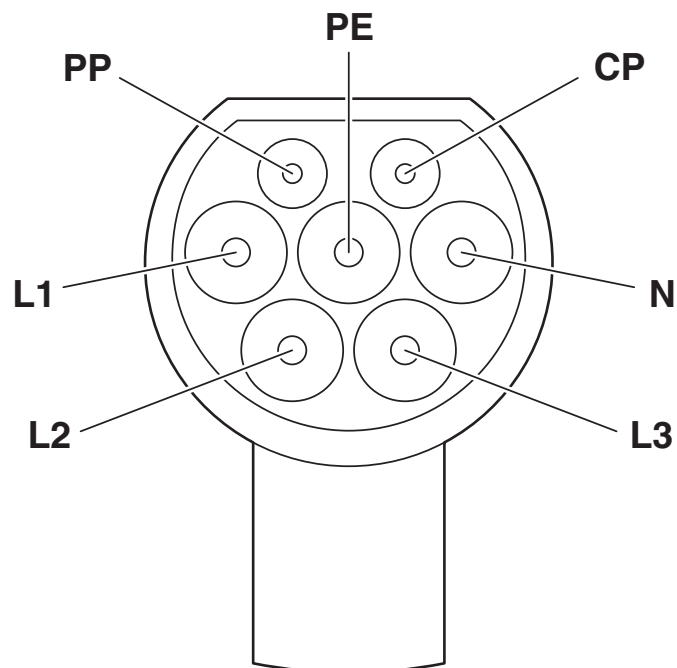
<https://www.phoenixcontact.com/us/products/1627310>

## Dimensional drawing



## Infrastructure plug

### Connection diagram

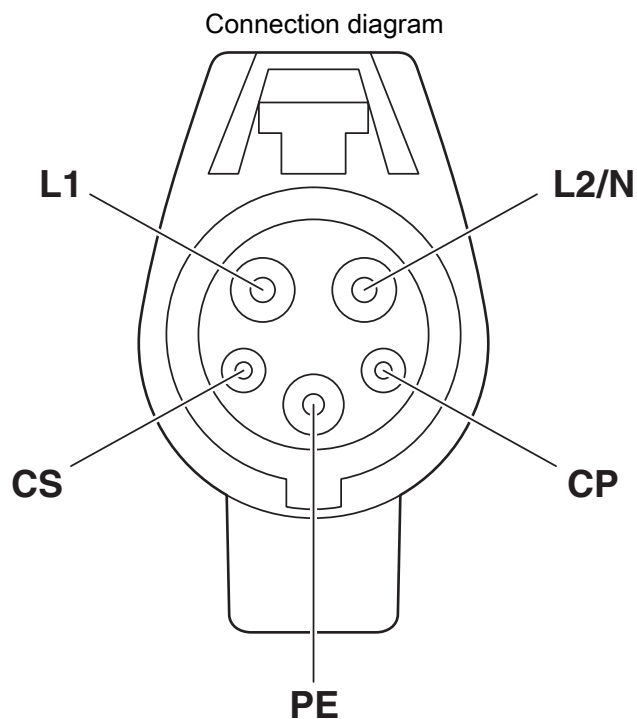


## Pin assignment of Infrastructure Plug

# EV-TAM3PC-1AC20A-8,0M2,5ESBK00 - AC charging cable

1627310

<https://www.phoenixcontact.com/us/products/1627310>



Pin assignment of the Vehicle Connector

# EV-TAM3PC-1AC20A-8,0M2,5ESBK00 - AC charging cable



1627310  
<https://www.phoenixcontact.com/us/products/1627310>

## 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%

# EV-TAM3PC-1AC20A-8,0M2,5ESBK00 - AC charging cable



1627310

<https://www.phoenixcontact.com/us/products/1627310>

## 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

### EV-T2M3SE24-3AC20A-0,7M2,5E10 - Infrastructure charging socket

1405215

<https://www.phoenixcontact.com/us/products/1405215>



CHARX connect, Infrastructure charging socket, for charging electric vehicles (EV) with alternating current (AC), Type 2, IEC 62196-2, 20 A / 480 V (AC), Single wires, length: 0.7 m, locking actuator: 24 V, 4-pos., Rear panel mounting, PHOENIX CONTACT logo

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)