

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



1627310

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

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CHARX connect, Type 1, Type 2, cable: 8 m, straight, IEC 62196-2, SAE J1772, Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, 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

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## 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
Charging standard	Type 1 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	20 A AC (1-phase)
Charging power	5 kW

### 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

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Standards/regulations	IEC 62196-2
	SAE J1772

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

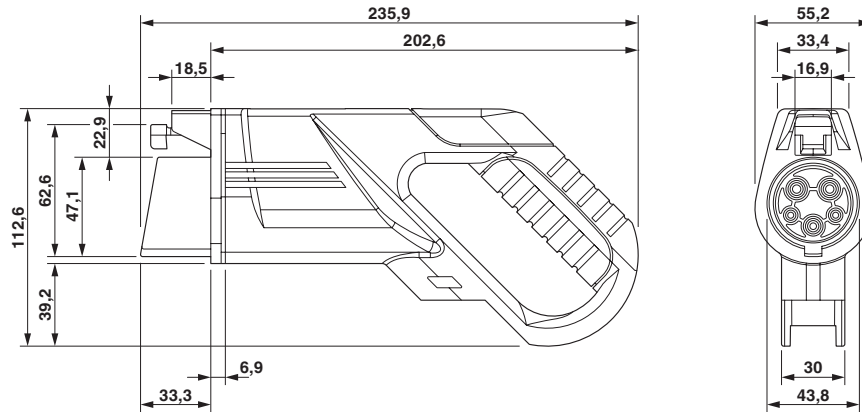


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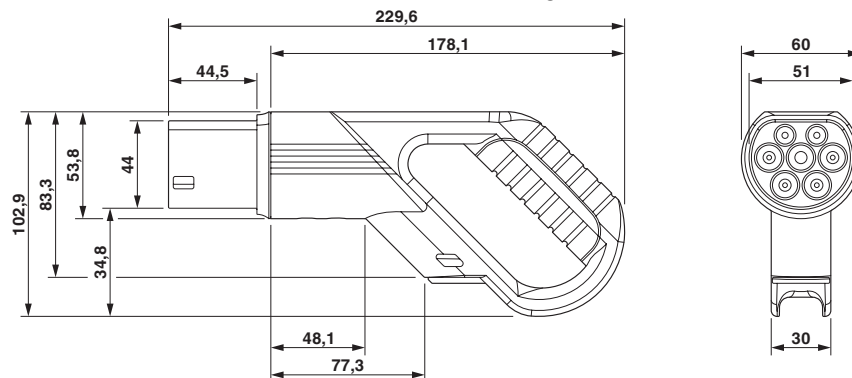
## Drawings

Dimensional drawing



Vehicle connector

Dimensional drawing

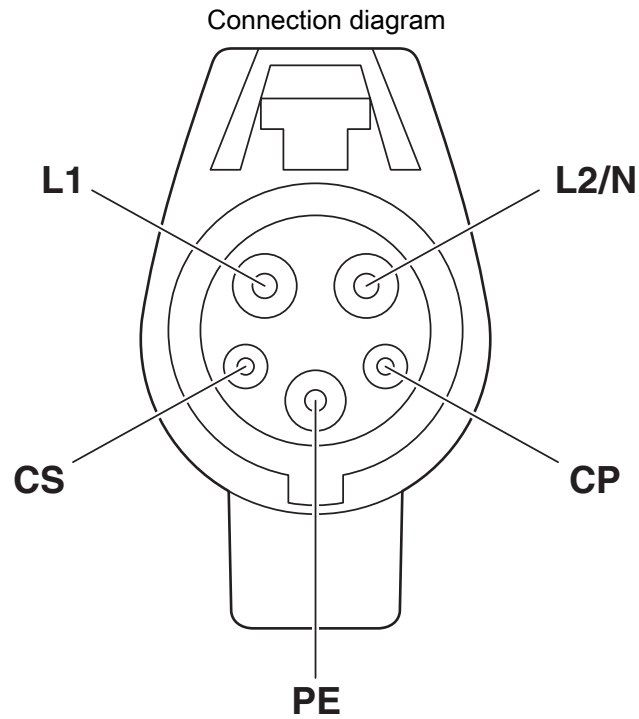


Infrastructure plug

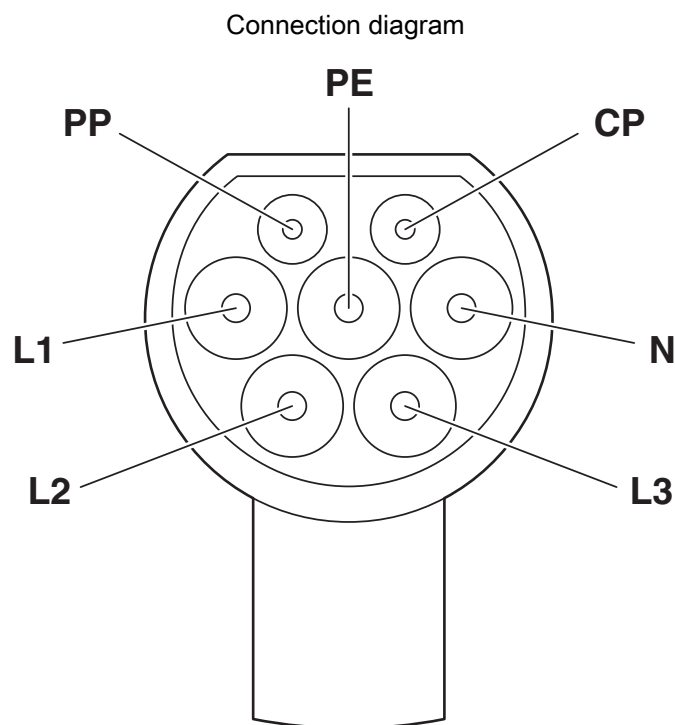
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Pin assignment of the Vehicle Connector



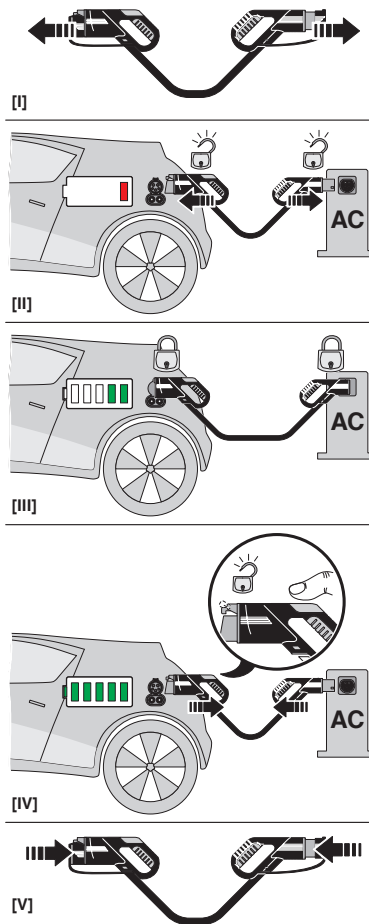
Pin assignment of Infrastructure Plug

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## Schematic diagram



Operating instructions

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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.
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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