

EV-TAM3PC-1AC32A-10M6,0ESBK00 - AC charging cable



1623473

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CHARX connect, Type 1, Type 2, cable: 10 m, straight, IEC 62196-2, SAE J1772, Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, NOTE: The capacitance between CP and PE exceeds the normative guideline value of 1500 pF.



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
- 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	1623473
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAEE
GTIN	4055626156750
Weight per piece (including packing)	4,103 g
Weight per piece (excluding packing)	4,028 g
Country of origin	DE

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Technical data

Notes

General	NOTE: The capacitance between CP and PE exceeds the normative guideline value of 1500 pF.
General	Signal transmission may be adversely affected (IEC 61851-1, Annex A, Table A.2, Note c).
General	Interference-free V2G communication in accordance with ISO 15118 is not guaranteed for cable lengths over 10 m (ISO IEC 15118-3, A.11.3, Table A.11).
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 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	32 A AC (1-phase)
Charging power	8 kW
Rated voltage	250 V

Cable/line

Cable length	10 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 305.00 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	3 x 6.0 mm ² + 1 x 0.5 mm ²
External cable diameter	12.80 mm ±0.4 mm
Outer sheath, material	TPE-U
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 96 mm (7.5x diameter)
Cable length	10 m
External cable diameter	12.80 mm ±0.4 mm

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Cable type	Class 5
Wiring certifications	VDE
Wiring standards/regulations	prEN 50620/DIN EN 50620
Cable resistance	≤ 0.0033 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

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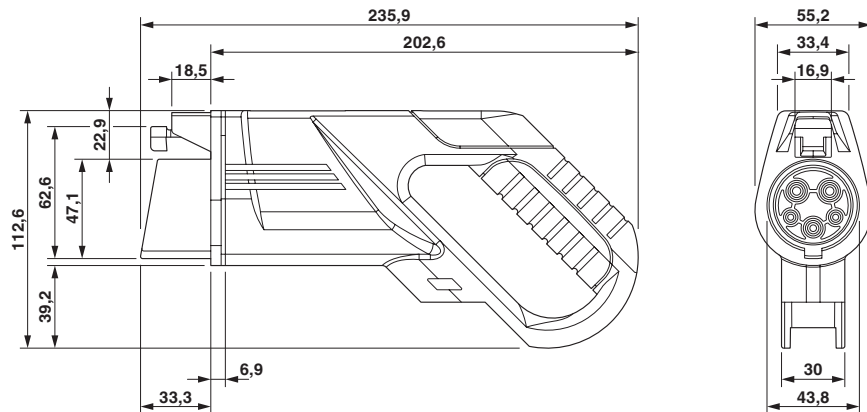


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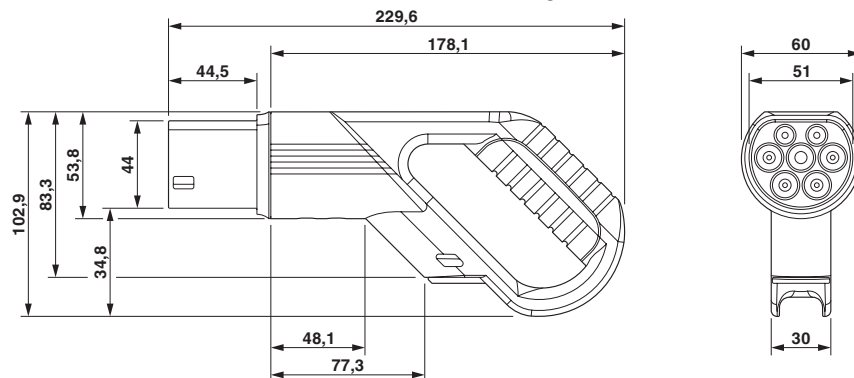
Drawings

Dimensional drawing



Vehicle connector

Dimensional drawing

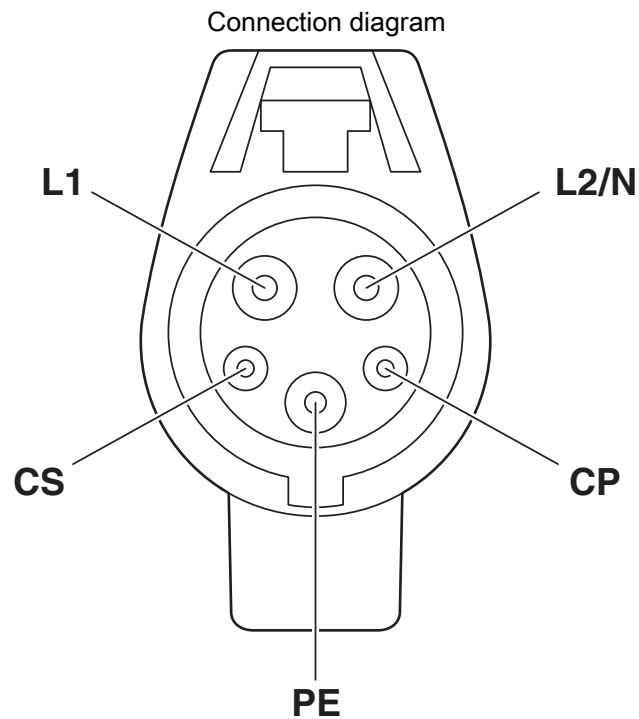


Infrastructure plug

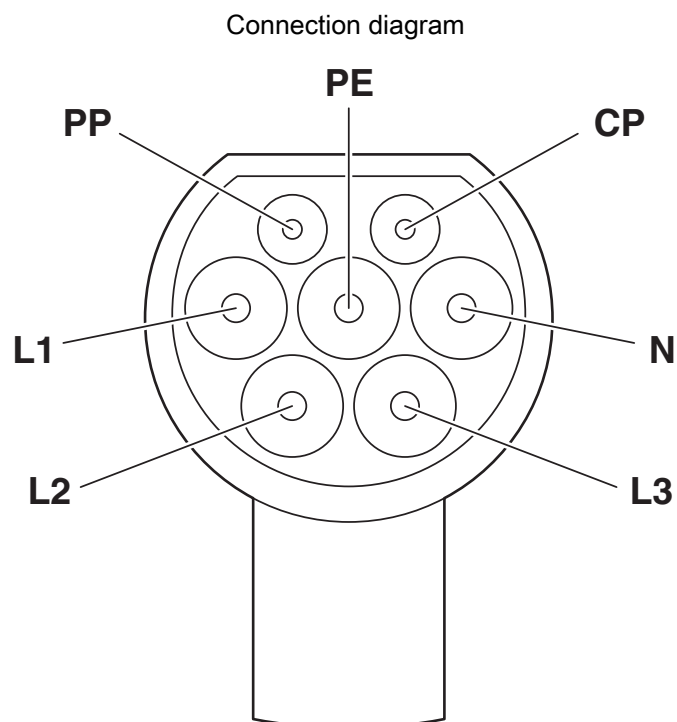
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Pin assignment of the Vehicle Connector



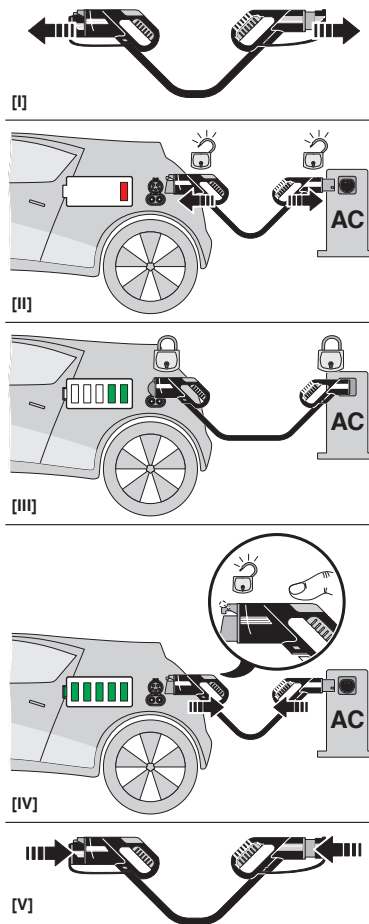
Pin assignment of Infrastructure Plug

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Schematic diagram



Operating instructions

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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	<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%

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