

1621976
<https://www.phoenixcontact.com/us/products/1621976>

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



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 2 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	1621976
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAEC
GTIN	4055626001401
Weight per piece (including packing)	1,310 g
Weight per piece (excluding packing)	1.241 g
Country of origin	DE

EV-T2M3PC-1AC20A-2,0M2,5ESBK00 - AC charging cable



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Technical data

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 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	2 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 ² + 1 x 0.5 mm ²
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	2 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

Standards/regulations	IEC 62196-2
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EV-T2M3PC-1AC20A-2,0M2,5ESBK00 - AC charging cable

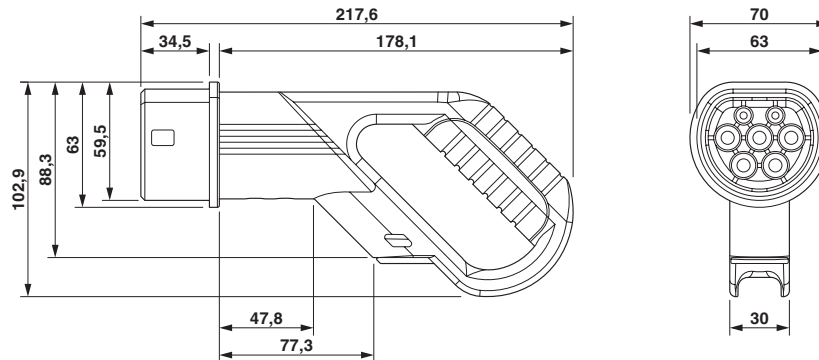


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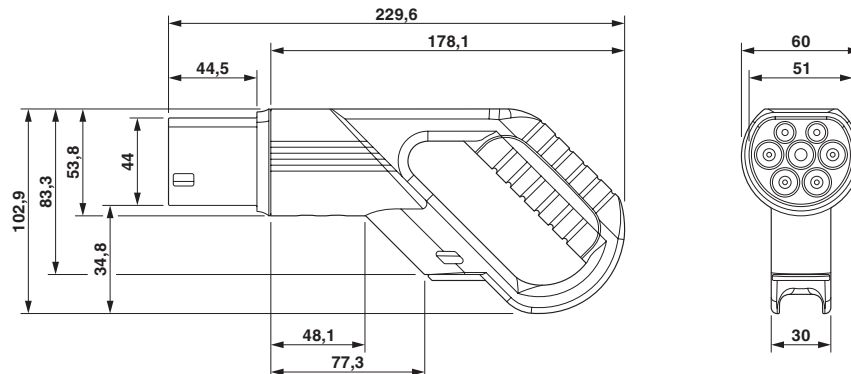
Drawings

Dimensional drawing



Vehicle connector

Dimensional drawing

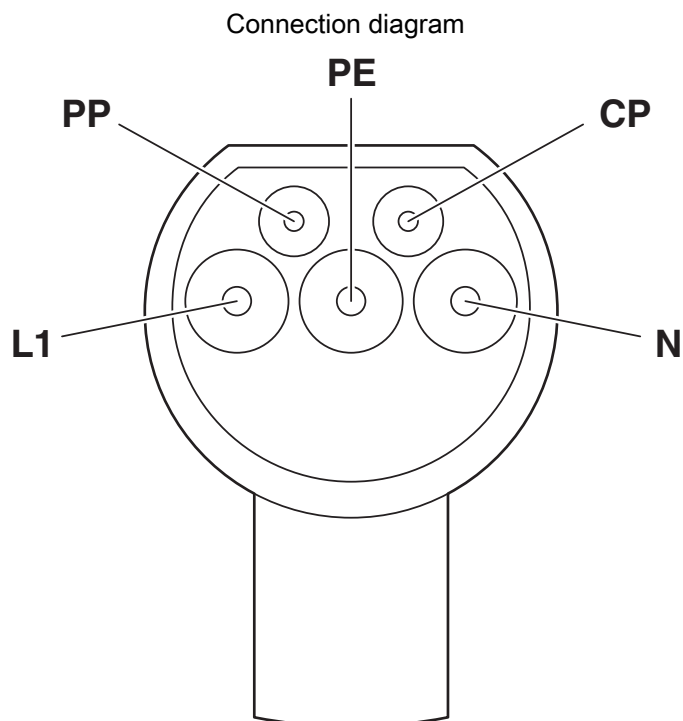


Infrastructure plug

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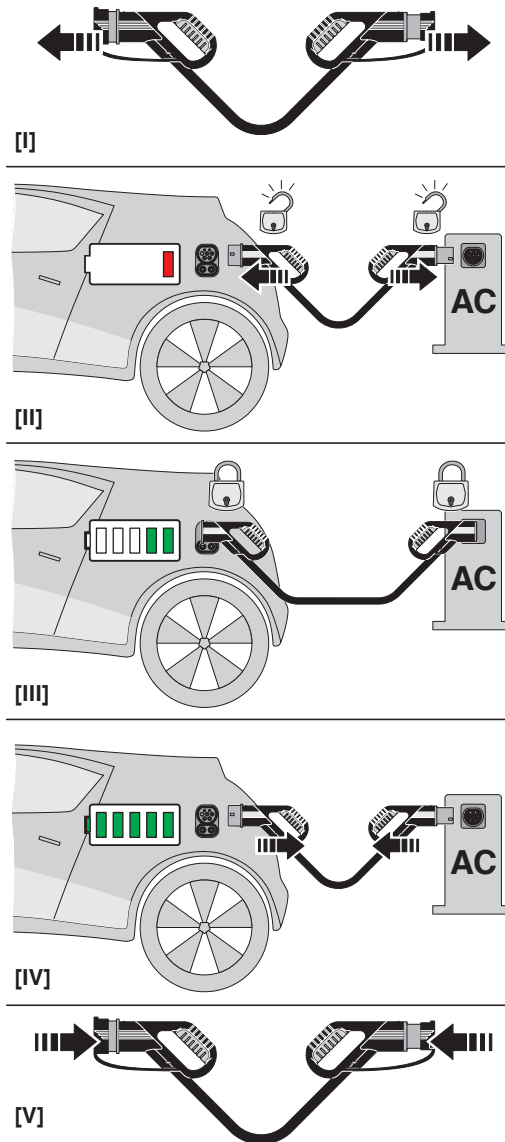
Pin assignment of Infrastructure Plug

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Schematic diagram



Operating instructions

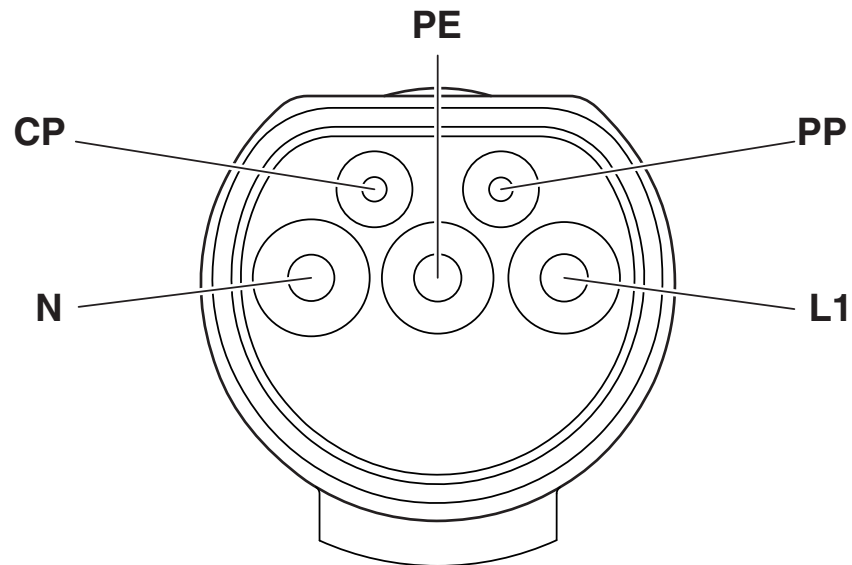
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Schematic diagram



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)	<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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