

1623473

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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: 10 m, straight, 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 mode	Mode 3, Case B
Charging standard	Type 1
	Type 2

### Electrical properties

Type of charging current	AC single-phase
Charging power	8 kW
Charging current	32 A

#### 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 mm² + 1 x 0.5 mm²
External cable diameter	12.80 mm ±0.4 mm
Outer sheath, material	TPE-U
Cable resistance	$\leq$ 0.0033 $\Omega$ /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
Cable type	Class 5
Wiring certifications	VDE
Wiring standards/regulations	prEN 50620/DIN EN 50620



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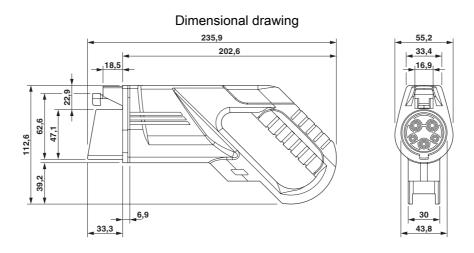
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Standards and regulations	
Standards	
Standards/regulations	IEC 62196-2
	SAE J1772



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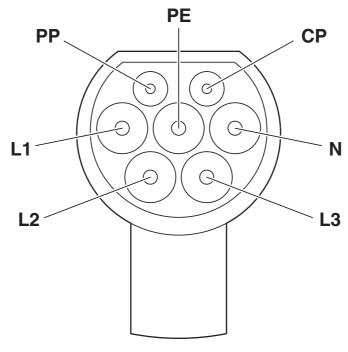
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## **Drawings**



Vehicle connector

Connection diagram



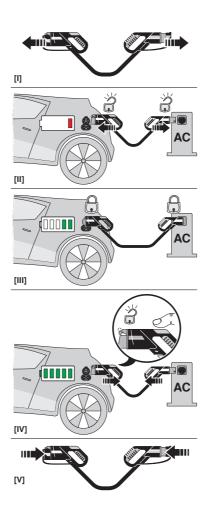
Pin assignment of Infrastructure Plug



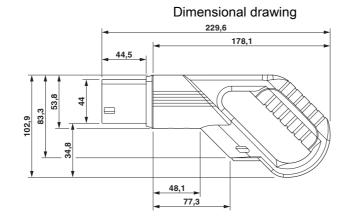
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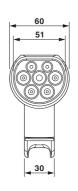
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### Schematic diagram



### Operating instructions



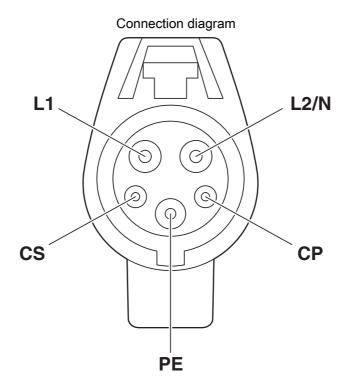


Infrastructure plug



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Pin assignment of the Vehicle Connector



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



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#### 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-T2M3SE24-3AC32A-0,7M6,0E10 - Infrastructure charging socket

1405216

https://www.phoenixcontact.com/us/products/1405216



CHARX connect, Infrastructure charging socket, for charging electric vehicles (EV) with alternating current (AC), Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, locking actuator: 24 V, 4-pos., Rear panel mounting, PHOENIX CONTACT logo

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