

EV-TCG3PK-1AC32A-5,0M6,0ESBK01 - AC charging cable



1050702

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CHARX connect comfort, Mobile AC charging cable, with vehicle charging connector and infrastructure charging plug, For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets, with protective cap, with locking option for padlock, GB/T, Type 2, IEC 62196-2, GB/T 20234.2-2015, housing: black, gray, PHOENIX CONTACT logo, cable: 5 m, black, straight

Product Description

Mobile AC charging cable with vehicle charging connector and infrastructure charging plug for charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets, compatible with type 2 infrastructure charging sockets at charging stations for e-mobility (EVSE)

Your advantages

- Complete product range
- Convenient handling due to the ergonomic, triple award-winning design
- Available with your logo on request – for consistent branding of your charging station
- Longitudinal water tightness reliably prevents water ingress
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Tested in accordance with automotive standards LV124, LV214, and LV215-2
- Tested in accordance with EV Ready 37 requirements

Commercial Data

Item number	1050702
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	XWB AEH
Product Key	XWB AEH
Catalog Page	Page 33 (C-7-2019)
GTIN	4055626669533
Weight per Piece (including packing)	2,379 g
Weight per Piece (excluding packing)	2,379 g
Customs tariff number	85444290
Country of origin	PL

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Technical Data

Product properties

Product type	AC charging cable
Product family	CHARX connect comfort
Application	For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE)
Type	Mobile AC charging cable with vehicle charging connector and infrastructure charging plug
Design	with protective cap with locking option for padlock
Locking type	No locking option for U-lock
Affixed logo	PHOENIX CONTACT logo
Charging mode	Mode 3, Case B
Charging standard	GB/T Type 2

Electrical properties

Note on the connection method	Crimp connection, cannot be disconnected
Coding	680 Ω (between PE and CC)
Type of charging current	AC single-phase
Charging power	8 kW
Charging current	32 A

Power contact

Number	3 (L, N, PE)
Rated voltage	440 V
Rated current	32 A

Signal contact

Number	2 (CP, CC)
Rated voltage	30 V AC
Rated current	2 A

Dimensions

Infrastructure charging plug

Dimensional drawing	
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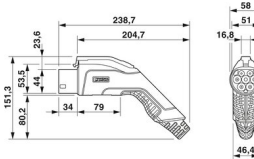


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	Infrastructure plug
Width	58 mm
Height	131.8 mm
Depth	233.4 mm

Vehicle charging connector

Dimensional drawing	
	Vehicle connector
Width	58 mm
Height	151.3 mm
Depth	238.7 mm

Material specifications

Color (Housing)	black (9005)
	black (9005)
	black (9005)
	black (9005)
	black (9005)
Material (Vehicle charging connector)	Plastic
	TPE-U
	Silver

Cable/line

Cable length	5 m
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 305 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	12.8 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	5 m
External cable diameter	12.8 mm ±0.4 mm
Cable type	Class 5

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Wiring certifications	VDE
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Cable resistance	$\leq 0.0033 \Omega/\text{m}$ (based on a power core, at an ambient temperature of 20°C)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 10000
Insertion force	< 100 N
Withdrawal force	< 100 N

Environmental and real-life conditions

Ambient conditions

Degree of protection Vehicle charging inlet	IP55 (plugged in; when plugged in and ready to operate, the degree of protection is only ensued if both plug-in components are original products from Phoenix Contact or suitable standard-compliant products)
	IP55 (plugged in; when plugged in and ready to operate, the degree of protection is only ensued if both plug-in components are original products from Phoenix Contact or suitable standard-compliant products)
	IP54
Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m (above sea level)

Standards and regulations

Standards

Standards/regulations	IEC 62196-2
	GB/T 20234.2-2015

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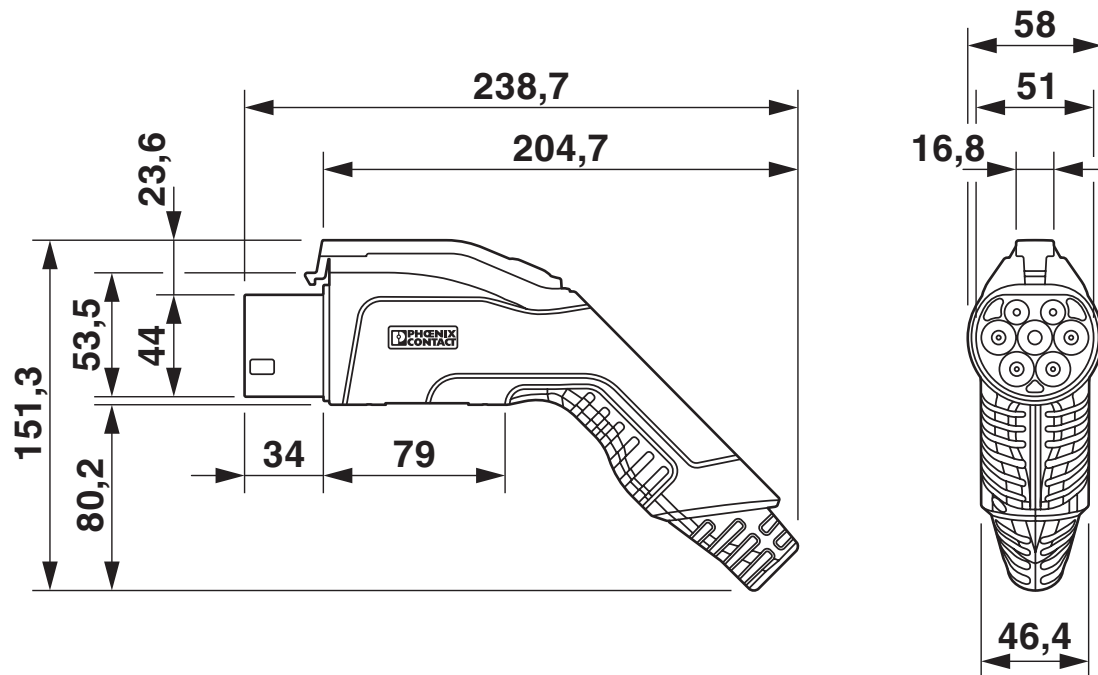


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Drawings

Dimensional drawing



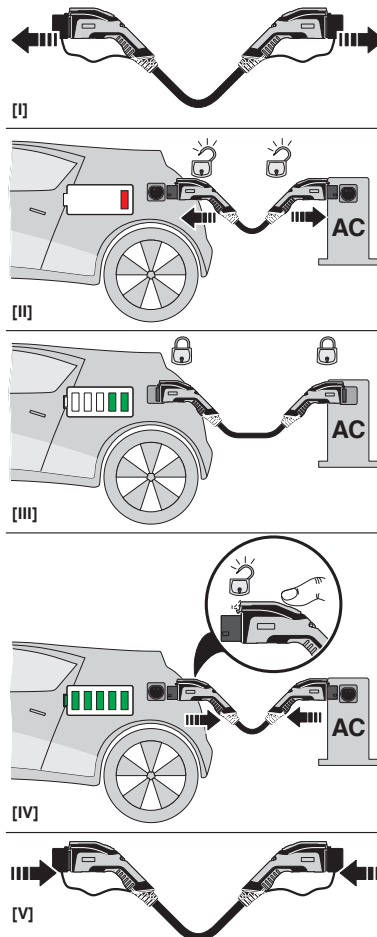
Vehicle connector

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Schematic diagram



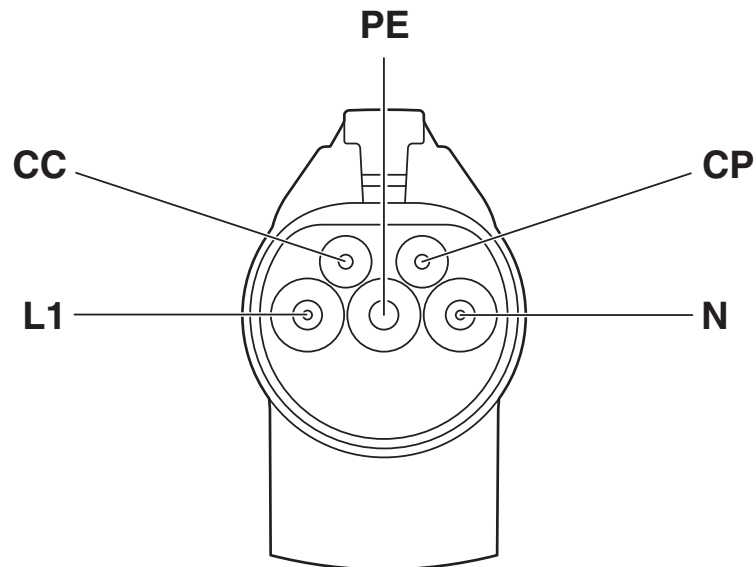
Operating instructions

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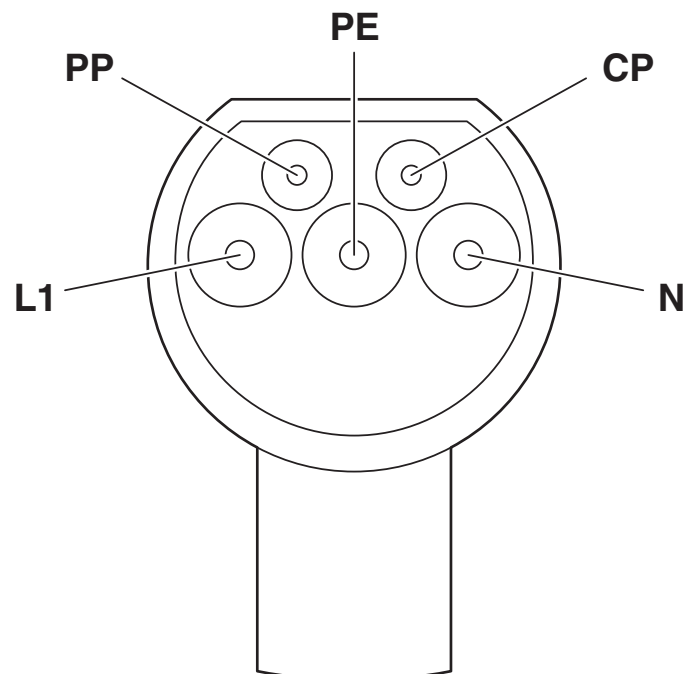
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Schematic diagram



Pin assignment of the Vehicle Connector

Connection diagram



Pin assignment of Infrastructure Plug

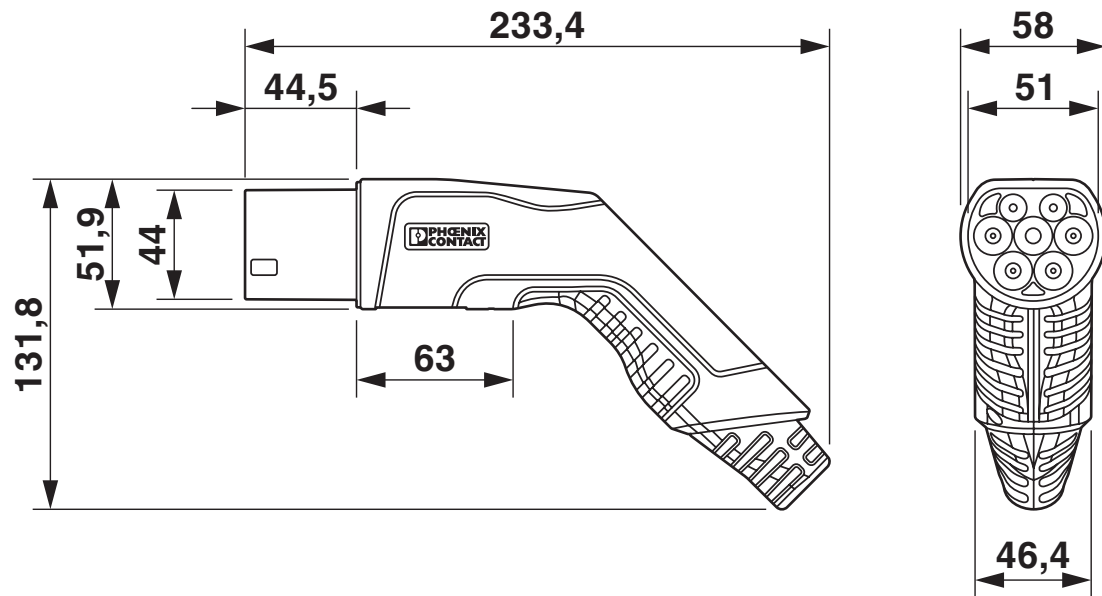
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Dimensional drawing



Infrastructure plug

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Classifications

ECLASS

ECLASS-9.0	27144705
ECLASS-10.0.1	27144705
ECLASS-11.0	27144705

ETIM

ETIM 8.0	EC002897
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UNSPSC

UNSPSC 21.0	39121500
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

EV-GBAC-PARK - Charging connector holder

1624142

<https://www.phoenixcontact.com/pl/produkty/1624142>



CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), GB/T, GB/T 20234.2, Front mounting, housing: black

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PHOENIX CONTACT Sp. z o.o.
ul. Bierutowska 57-59, Budynek nr 3/A
51-317 Wrocław
71/ 39 80 410
pxcpl@phoenixcontact.pl