EV-T2G3P-1AC20A-4,0M2,5EHBK01 - AC charging cable

1627731

https://www.phoenixcontact.com/pl/produkty/1627731

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CHARX connect comfort, AC charging cable, with infrastructure charging plug and free cable end, for charging electric vehicles (EV) with alternating current (AC), with protective cap, Type 2, IEC 62196-2, PHOENIX CONTACT logo, cable: 4 m, black, spiraled

Product Description

AC charging cable with Infrastructure Plug and open cable end for charging electric vehicles (EV) with alternating current (AC), compatible with type 2 Infrastructure Socket Outlets 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
- Laser-marked mating face in accordance with DIN EN 17186

Commercial Data

Item number	1627731
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	XWBABC
Product Key	XWBABC
GTIN	4055626349831
Weight per Piece (including packing)	1.547 kg
Weight per Piece (excluding packing)	1.475 kg
Customs tariff number	85444290
Country of origin	PL

Technical Data

Product properties

Product type	AC charging cable
Product family	CHARX connect comfort
Application	for charging electric vehicles (EV) with alternating current (AC)
	compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE)
Type	AC charging cable
	with infrastructure charging plug and free cable end
Design	with protective cap
Locking type	No locking option for U-lock
Affixed logo	PHOENIX CONTACT logo
Charging mode	Mode 3
Charging standard	Type 2

Electrical properties

Type of signal transmission	Pulse width modulation
Note on the connection method	Crimp connection, cannot be disconnected
Coding	680 Ω (between PE and PP)
Type of charging current	AC single-phase
Charging power	5 kW
Charging current	20 A

Power contact

Number	3 (L1, N, PE)
Rated voltage	250 V AC
Rated current	20 A

Signal contact

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

Dimensions

Width	58 mm
Height	131.8 mm
Depth	233.4 mm

Material specifications

Color (Housing)	black (9005)
	black (9005)
	black (9005)
	black (9005)
	black (9005)

Material (Infrastructure charging plug)	Plastic
	TPE-U
	Silver

Cable/line

Cable length	4 m
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring certifications	VDE
Cable type	Class 5
Cable type	spiraled
Cable structure	3 x 2.5 mm² + 1 x 0.5 mm²
External cable diameter	10.2 mm ±0.3 mm
Outer sheath, material	TPE-U
Stripping length of the sheath	70 mm ±5 mm
Block length	0.68 m ±10 %
Coil diameter	45 mm ±10 %
Effective length	max. 4 m ±5 %
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)

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	IP44 (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)
	IP44 (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)	-40 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m (above sea level)

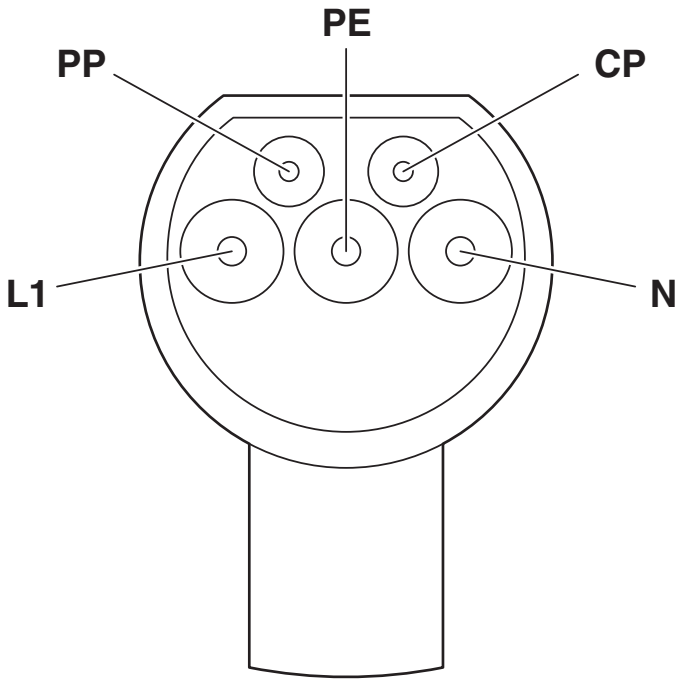
Standards and regulations

Standards

Standards/regulations	IEC 62196-2

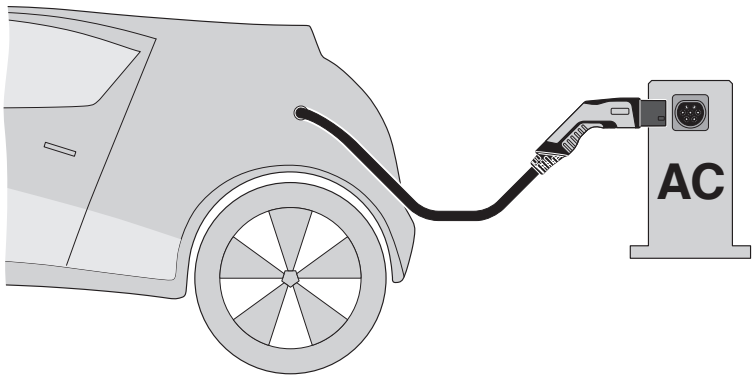
Drawings

Connection diagram



Pin assignment of Infrastructure Plug

Schematic diagram



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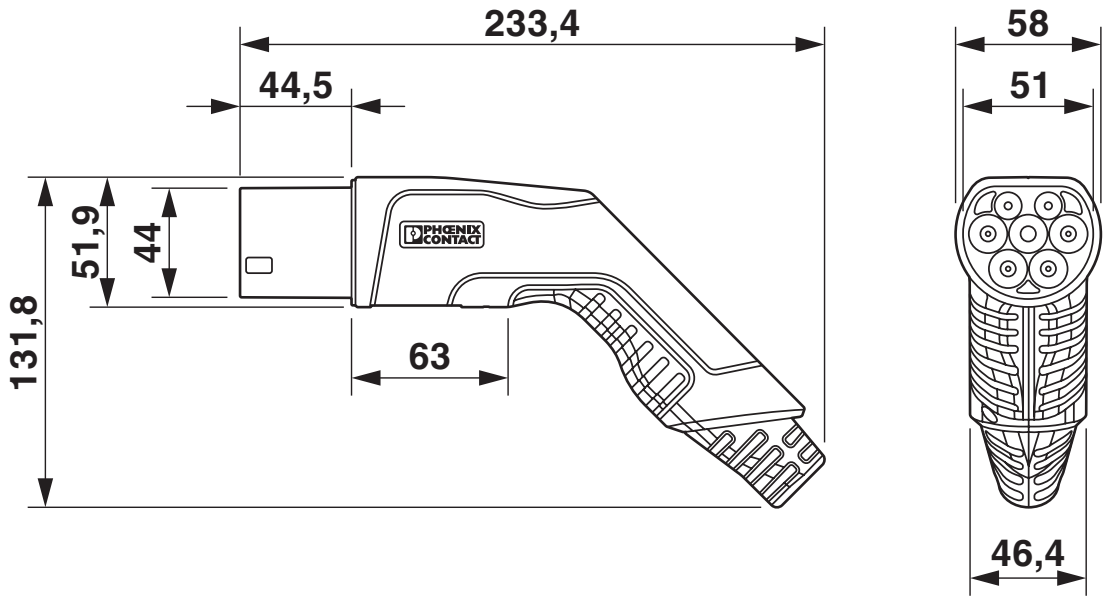
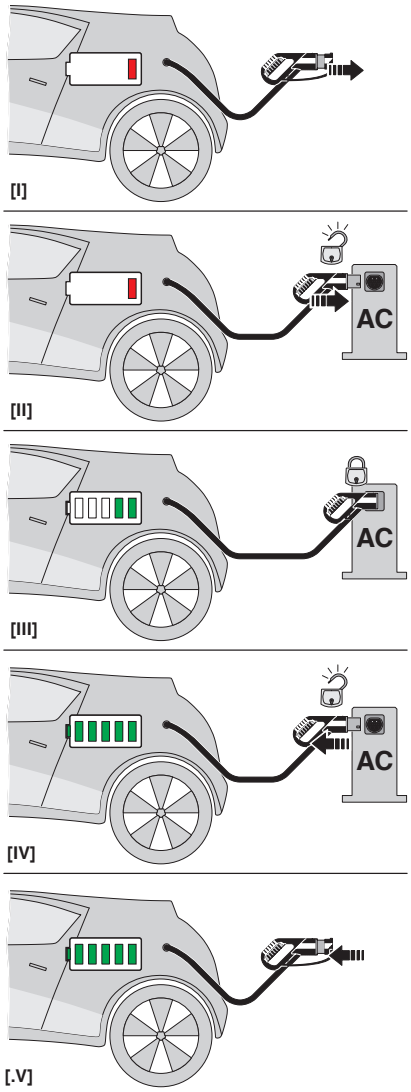
Dimensional drawing



Infrastructure plug

Schematic diagram



Operating instructions

Approvals

IECEE CB Scheme
Approval ID: DE1-60744

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	20 A	-	-

VDE Zeichengenehmigung
Approval ID: 40045392

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	20 A	-	-

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002897

UNSPSC

UNSPSC 21.0	39121500

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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