AC charging cable - EV-T2G3C-3AC32A-4,0M6,0ESBK01

1623505

https://www.phoenixcontact.com/pc/products/1623505

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CHARX connect comfort, AC charging cable, with vehicle charging connector and open cable end, for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, with protective cap, Type 2, IEC 62196-2, C-Line, housing: black, gray, PHOENIX CONTACT logo, cable: 4 m, black, straight

Product Description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, for installation 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	1623505
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	XWBAAC
GTIN	4055626177861
Weight per Piece (including packing)	2,440 g
Weight per Piece (excluding packing)	2,428 g
Customs tariff number	85444290
Country of origin	PL

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Technical Data

Product properties

Product type	AC charging cable
Application	for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets
	for installation at charging stations for electromobility (EVSE)
Type	AC charging cable
	with vehicle charging connector and open cable end
Design	with protective cap
Locking type	No locking option for U-lock
Affixed logo	PHOENIX CONTACT logo
Charging mode	Mode 3, Case C
Charging standard	Type 2

Electrical properties

Type of signal transmission	Pulse width modulation
Note on the connection method	Crimp connection, cannot be disconnected
Coding	220 Ω (between PE and PP)
Type of charging current	AC 3-phase
Charging power	26.6 kW
Charging current	32 A

Power contact

Number	5 (L1, L2, L3, N, PE)
Rated voltage	480 V AC
Rated current	32 A

Signal contact

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

Dimensions

Vehicle charging connector

Width	70 mm
Height	137 mm
Depth	215.9 mm

Vehicle charging connector

Width	70 mm
Height	137 mm
Depth	215.9 mm

Material specifications

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Color (Housing)	black (9005)
Color (Handle area)	gray (7042)
Color (Mating face)	black (9005)
Color (Protective cap)	black (9005)
Color (Cable)	black (9005)
Material (Vehicle charging connector)	Plastic
Material (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver

Cable / line

Cable length	4 m
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 505 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	5 x 6.0 mm² + 1 x 0.5 mm²
External cable diameter	17 mm ±0.4 mm
Outer sheath, material	TPE-U
Stripping length of the sheath	70 mm ±5 mm
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)

Mechanical properties

Bending radius	min. 127.5 mm (7.5x diameter)

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 connector	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)
Degree of protection Protective cap	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

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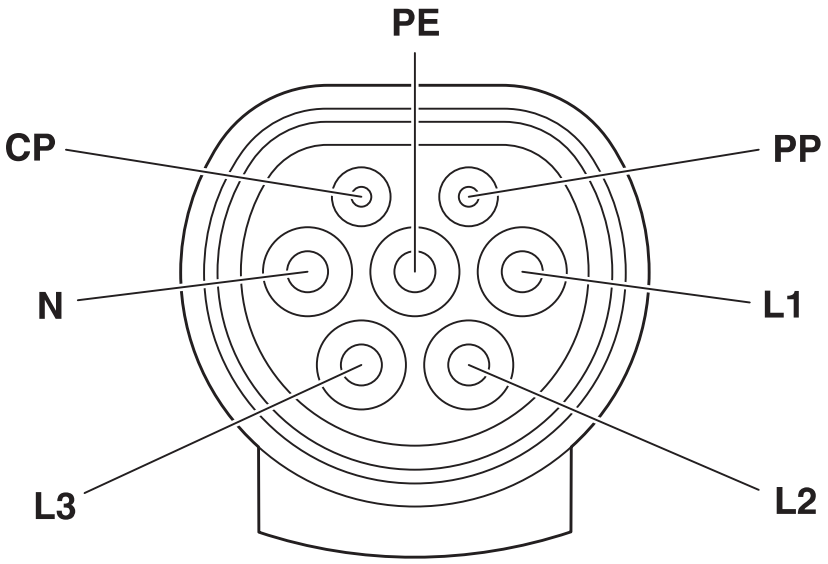
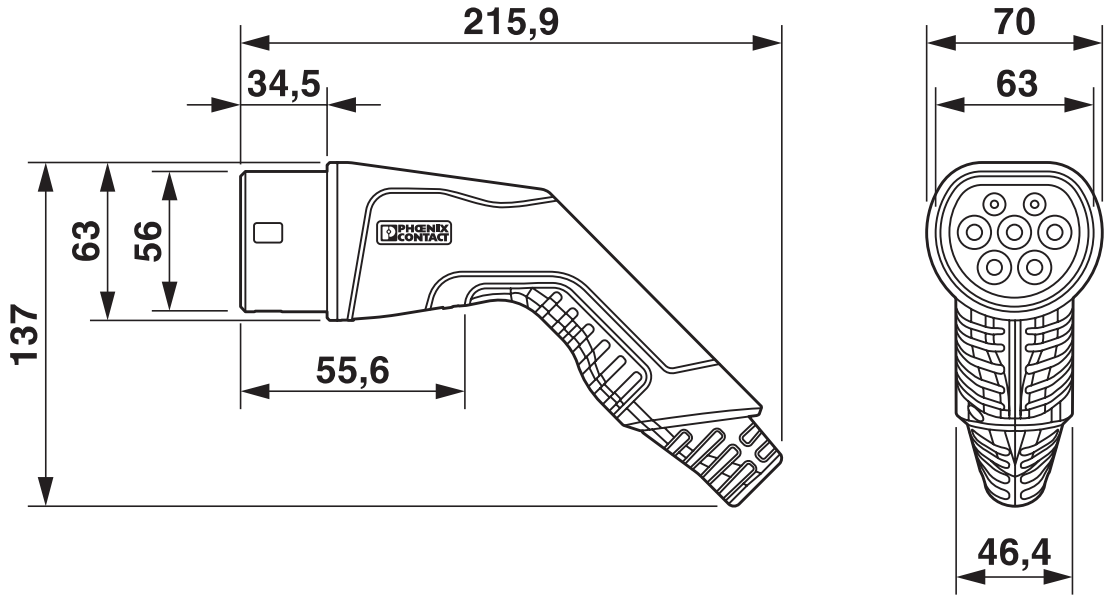
Drawings

Schematic diagram



Pin assignment of the Vehicle Connector

Dimensional drawing



Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging connector. Detailed dimensions can also be found in the Download area.

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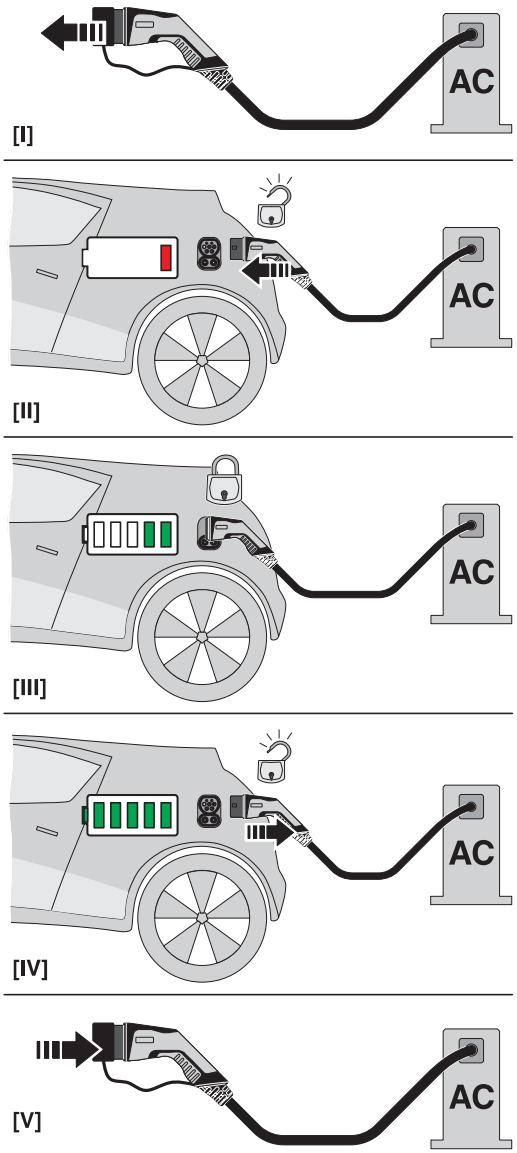
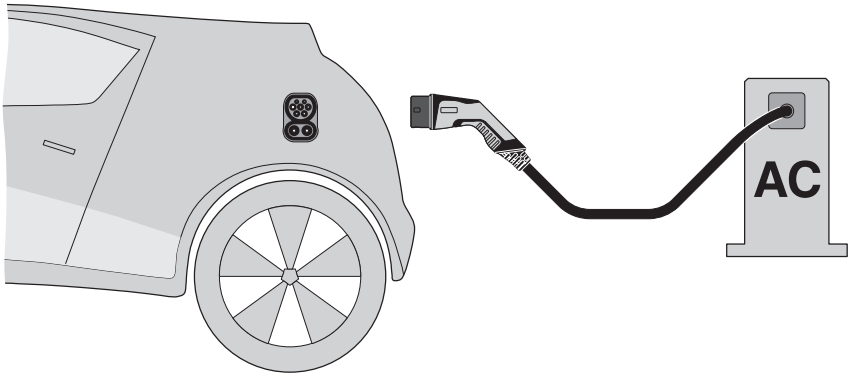
Schematic diagram



Operating instructions

Schematic diagram



Terminology definition

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Approvals

IECEE CB Scheme
Approval ID: DE1-65898/M1

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	480 V	32 A	-	-

VDE Zeichengenehmigung
Approval ID: 40045387

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	480 V	32 A	-	-

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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

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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”