

# AC charging cable - EV-T2G3PC-1AC32A-8,0M6,0ESBK01



1628000

<https://www.phoenixcontact.com/gb/products/1628000>

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CHARX connect, Mobile AC charging cable with vehicle charging connector and infrastructure charging plug, with protective cap, Housing color black-gray, 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 electromobility (EVSE), Type 2, IEC 62196-2, 32 A / 250 V (AC), C-Line, "PHOENIX CONTACT" logo, cable: 8 m, black, straight

## Product Description

Mobile AC charging cable with Vehicle Connector and Infrastructure plug for charging electric vehicles (EV) with alternating current (AC), via type 2 Vehicle Inlets, 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

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## Commercial Data

Item number	1628000
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	XWBAEC
Product Key	XWBAEC
GTIN	4055626370149
Weight per Piece (including packing)	3,140 g
Weight per Piece (excluding packing)	3,140 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 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 with protective cap Housing color black-gray
Affixed logo	"PHOENIX CONTACT" logo
Charging mode	Mode 3, Case B
Charging standard	Type 2

### Electrical properties

Number of phases	1
Type of signal transmission	Pulse width modulation
Type of charging current	AC single-phase
Note on the connection method	Crimp connection, cannot be disconnected
Coding	220 $\Omega$ (between PE and PP)
Maximum capacity	8 kW

### Power contact

Number	3 (L1, N, PE)
Rated voltage	250 V AC
Rated current	32 A

### Signal contact

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

### Dimensions

Dimensional drawing	
Width	70 mm (Vehicle charging connector) 58 mm (Infrastructure charging plug)
Height	137 mm (Vehicle charging connector) 131.8 mm (Infrastructure charging plug)

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Depth	215.9 mm (Vehicle charging connector)
	233.4 mm (Infrastructure charging plug)

## Material specifications

Housing material	Plastic
Material of grip body	Soft plastic
Material protective cap	Soft plastic
Material mating face	Plastic
Material surface of contacts	Ag

## Design

Color Housing	black
Color Connection profile	black
Color Handle area	gray
Color Protective cap	black
Customer variations	On request

## Cable / line

Cable length	8 m
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 305 kg/km
Type of cable	straight
Cable structure	3 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
Cable type	Class 5
External cable diameter	12.8 mm ±0.4 mm
Outer sheath, material	TPE-U
External sheath, color	black
Conductor resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)

## Mechanical properties

### Design

Design	C-Line
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### Mechanical data

Insertion force	< 100 N
Withdrawal force	< 100 N

### Design

Design	C-Line
Customer variations	On request

## Environmental and real-life conditions

### Ambient conditions

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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
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# AC charging cable - EV-T2G3PC-1AC32A-8,0M6,0ESBK01

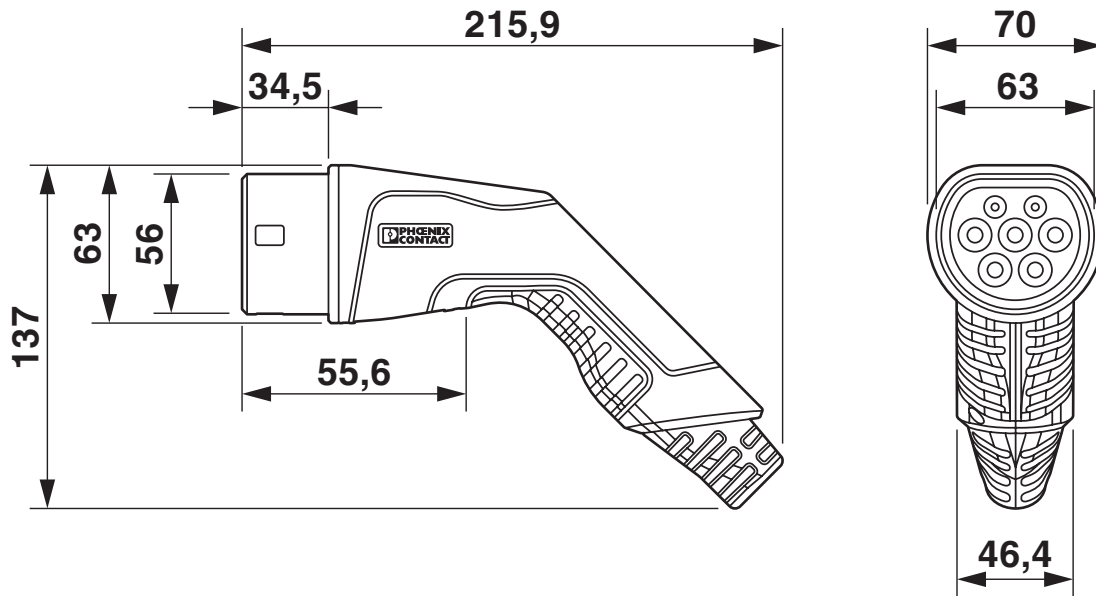


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## Drawings

Dimensional drawing



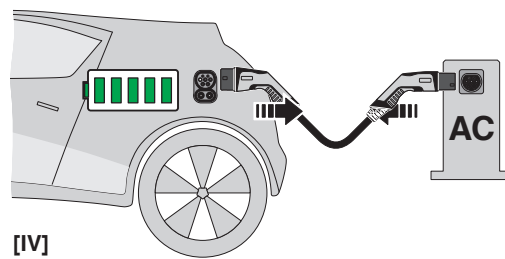
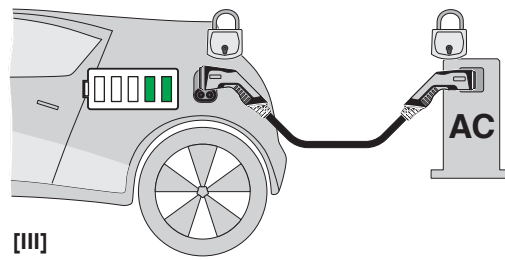
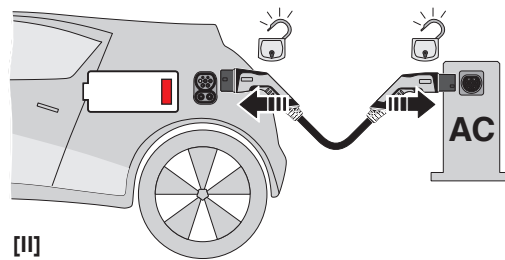
Vehicle connector

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Schematic diagram



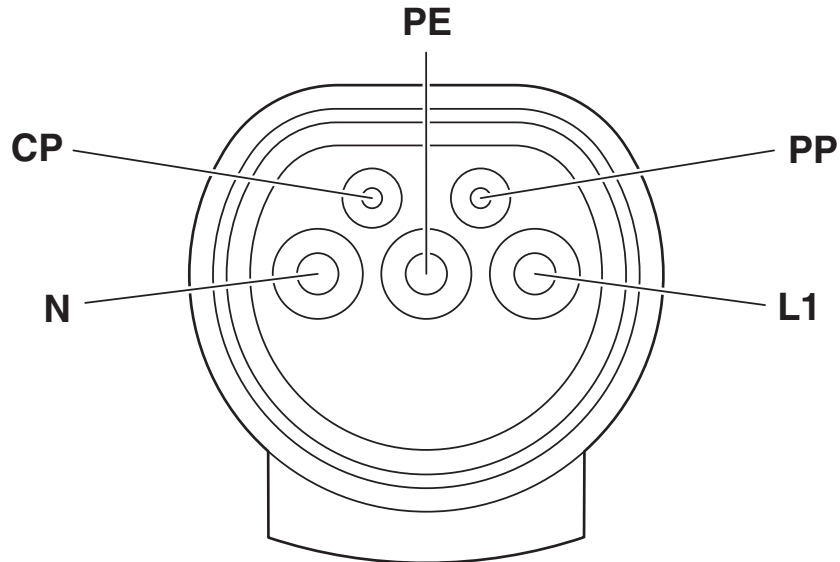
Operating instructions

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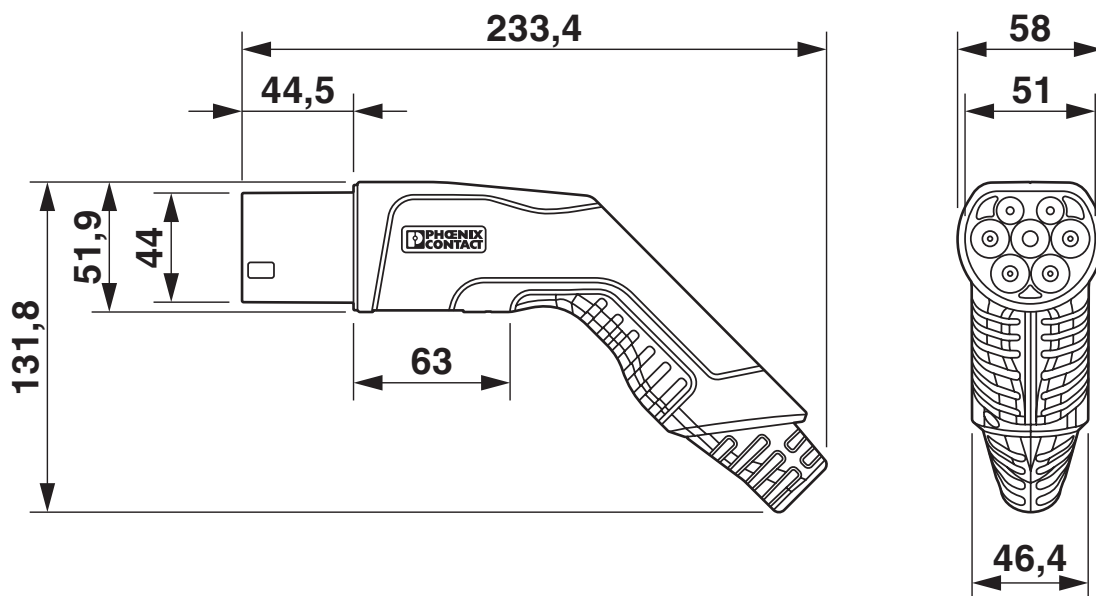
<https://www.phoenixcontact.com/gb/products/1628000>

Schematic diagram



Pin assignment of the Vehicle Connector

Dimensional drawing



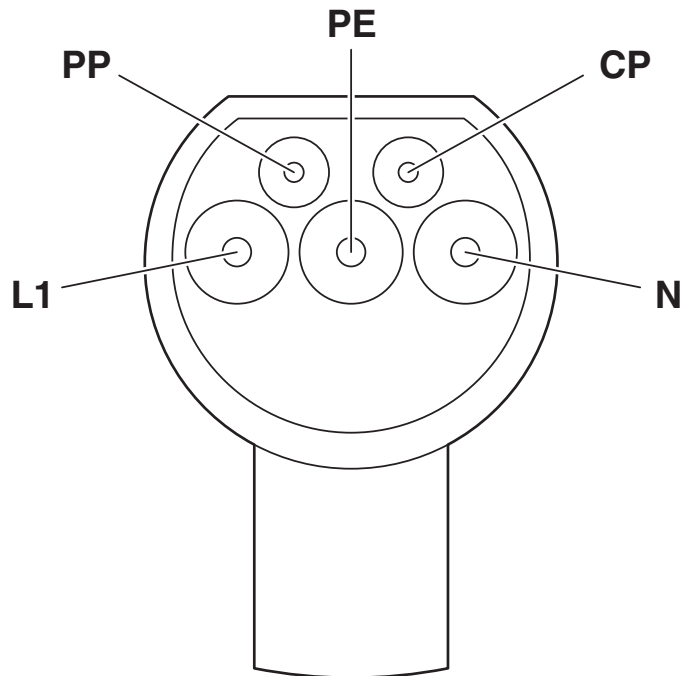
Infrastructure plug

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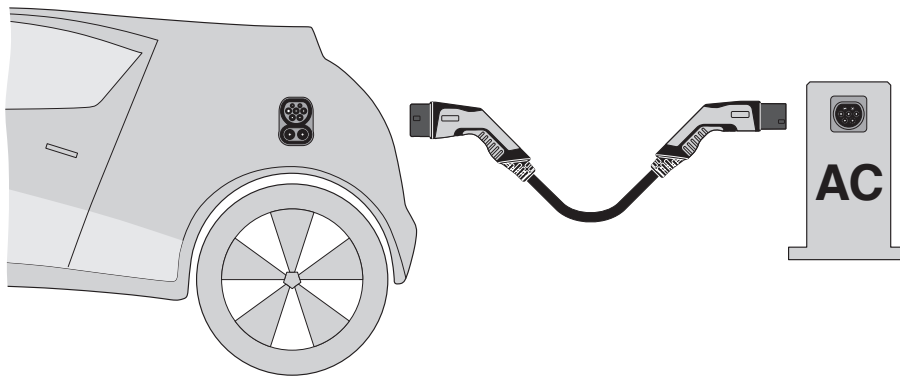
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Connection diagram



Pin assignment of Infrastructure Plug

Schematic diagram



Terminology definition

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## Approvals

 <b>IECEE CB Scheme</b> Approval ID: DE1-65890	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	250 V	32 A	-	-

 <b>VDE Zeichengenehmigung</b> Approval ID: 40045394	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	250 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
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### UNSPSC

UNSPSC 21.0	39121522
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10; For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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