

# AC charging cable - EV-T2G3PC-1AC20A-4,0M2,5EHBK01 - 1627131

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Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, Type 2, IEC 62196-2, 20 A / 250 V (AC), Design line C-Line, Cable: 4 m, black, Spiraled, Mating face: black, Handle area: gray

## 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)



## Key Commercial Data

Packing unit	1 STK
Custom tariff number	85444290
Country of origin	Germany

## Technical data

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Product definition

Product type	Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap
Type	Design line 2
Standards/regulations	IEC 62196-2
Charging standard	Type 2
Charging mode	Mode 3
Type of charging current	AC single-phase

### Dimensions

Height	137 mm
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## Technical data

### Dimensions

Width	70 mm
Depth	215.9 mm
Conductor length	4 m

### Ambient conditions

Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Max. altitude	5000 m (above sea level)
Degree of protection	IP44 (plugged in)
	IP56 (Protective cap)

### Electrical properties

Maximum charging power	5 kW
Number of phases	1
Number of power contacts	3 (L1, N, PE)
Rated current of power contacts	20 A
Rated voltage for power contacts	250 V AC
Number of signal contacts	2 (CP, PP)
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC
Type of signal transmission	Pulse width modulation
Resistor coding	680 Ω (between PE and PP)

### Mechanical properties

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

### Design

Design line	C-Line
Housing color	black
Pin connector pattern color	black
Color handle area	gray
Color protective cap	black
Customer variations	On request

### Material

Housing material	Plastic
Material connection profile	Plastic
Material handle area	Soft plastic

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## Technical data

### Material

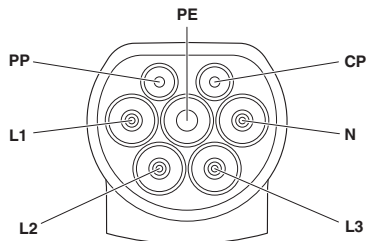
Material protective cap	Soft plastic
Material surface of contacts	Ag

### Cable

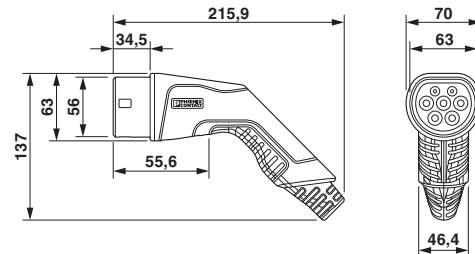
Cable structure	3 x 2.5 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> (prEN 50620, VDE Reg. 8789 class 5)
External cable diameter	10.2 mm ±0,3 mm
Type of conductor	Spiraled
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	153 mm (15 x diameter)
Coil diameter	45 mm ±10 %
Block length	0.68 m ±10 %
Effective length	max. 4 m ±5 %

## Drawings

Connection diagram



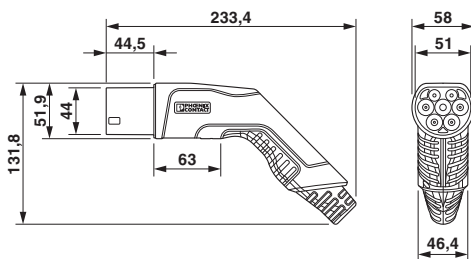
Dimensional drawing



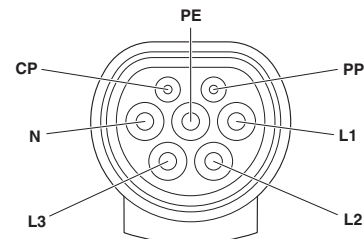
Pin assignment of Infrastructure Plug

Dimensional drawing of Vehicle Connector

Dimensional drawing



Schematic diagram



Pin assignment of the Vehicle Connector

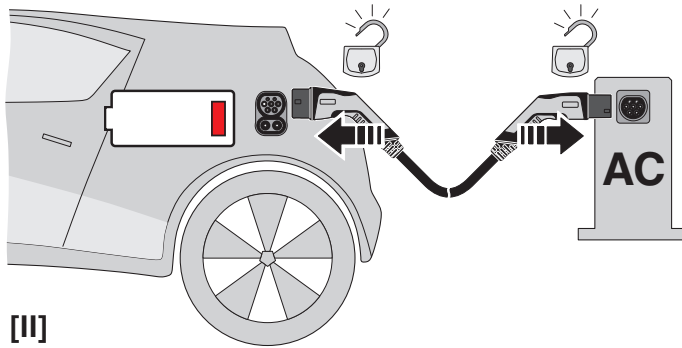
Dimensional drawing of the Infrastructure Plug

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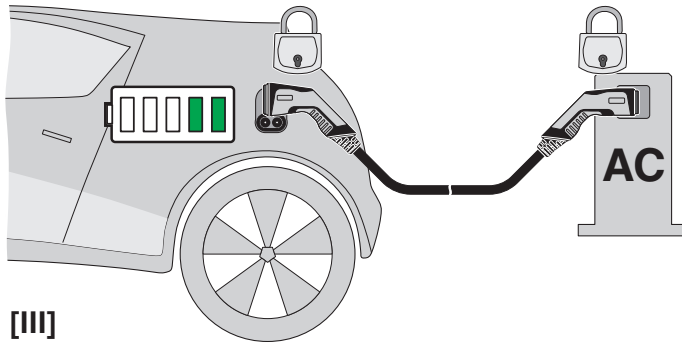
Schematic diagram



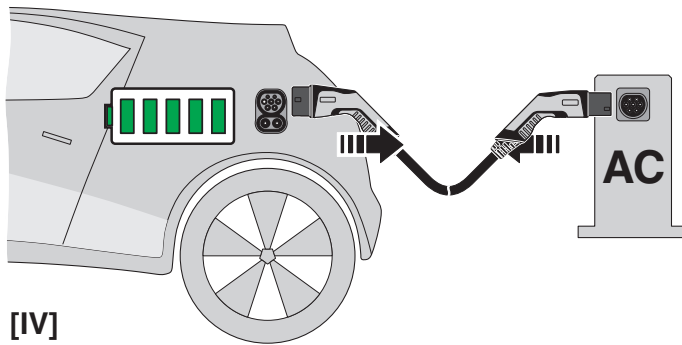
[I]



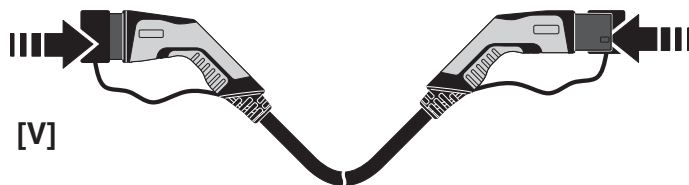
[II]



[III]



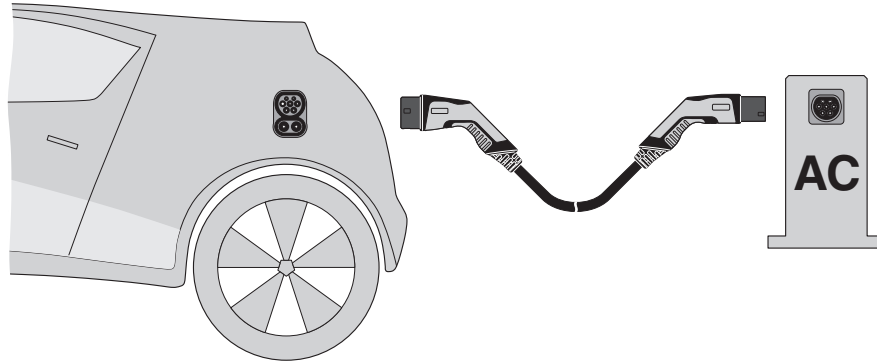
[IV]



[V]

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Schematic diagram



## Terminology definition

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27059290
eCl@ss 9.0	27144705

### ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002839

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Accessories

### Accessories

Infrastructure socket outlet

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### Accessories

Socket Outlet - EV-T2M3SE12-3AC20A-0,7M2,5E10 - 1405213



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, Type 2, IEC 62196-2, 20 A / 480 V (AC), 12 V Locking actuator, Single wires, Length: 0.7 m, Screw connection of a hinged cover: Only rear mounting possible

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Socket Outlet - EV-T2M3SE24-3AC20A-0,7M2,5E10 - 1405215



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, Type 2, IEC 62196-2, 20 A / 480 V (AC), 24 V Locking actuator, Single wires, Length: 0.7 m, Screw connection of a hinged cover: Only rear mounting possible

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### Mounting material

Holder - EV-T2AC-PARK - 1624148



Retainer for Vehicle Connector as parking position at charging stations (EVSE), Type 2, IEC 62196-2

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