

## AC charging cable - EV-T2G3PC-3AC32A-4,0M6,0EHBK01 - 1627136

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Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, Type 2, IEC 62196-2, 32 A / 480 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
GTIN	 4 055626 299488
GTIN	4055626299488
Custom tariff number	85444290

### Technical data

#### Product definition

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

#### Dimensions

Vehicle connector width	70.00 mm
Vehicle connector height	137.00 mm

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## Technical data

### Dimensions

Vehicle connector depth	215.90 mm
Infrastructure plug width	58.00 mm
Infrastructure plug height	131.80 mm
Infrastructure plug depth	233.40 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)
	IP54 (Protective cap)

### Electrical properties

Maximum charging power	26.6 kW
Number of phases	3
Number of power contacts	5 (L1, L2, L3, N, PE)
Rated current of power contacts	32 A
Rated voltage for power contacts	480 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	220 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
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## Technical data

### Material

Material connection profile	Plastic
Material handle area	Soft plastic
Material protective cap	Soft plastic
Material surface of contacts	Ag

### Cable

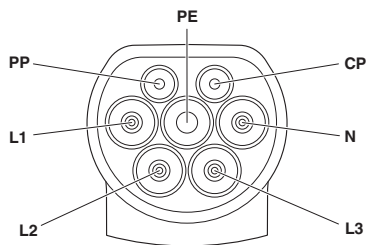
Cable structure	5 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> (prEN 50620, VDE Reg. 8789 class 5)
External cable diameter	17 mm ±0.4 mm
Type of conductor	spiraled
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	255 mm (15 x diameter)
Coil diameter	80 mm ±10 %
Block length	0.63 m ±10 %
Effective length	max. 4 m ±5 %

### Environmental Product Compliance

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

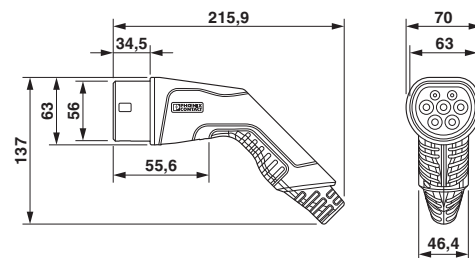
## Drawings

Connection diagram



Pin assignment of Infrastructure Plug

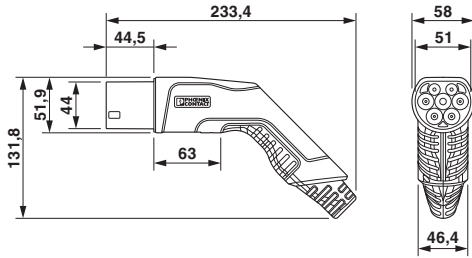
Dimensional drawing



Dimensional drawing of Vehicle Connector

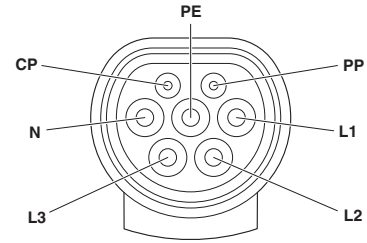
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Dimensional drawing



Dimensional drawing of the Infrastructure Plug

Schematic diagram



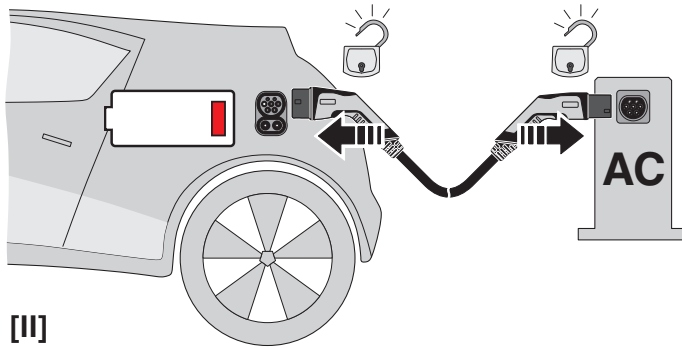
Pin assignment of the Vehicle Connector

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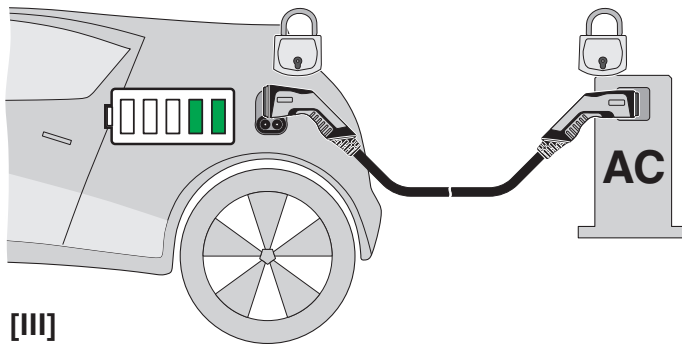
Schematic diagram



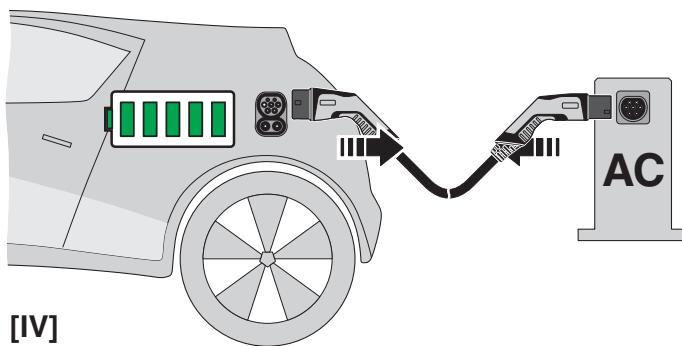
[I]



[II]



[III]



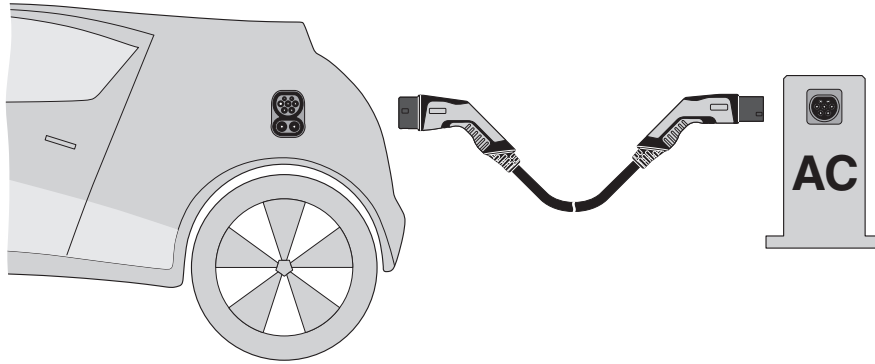
[IV]



[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 5.1	27059290
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
ETIM 6.0	EC002839

### UNSPSC

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

## Accessories

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## AC charging cable - EV-T2G3PC-3AC32A-4,0M6,0EHBK01 - 1627136

### Accessories

#### Infrastructure socket outlet

Socket Outlet - EV-T2M3SE12-3AC32A-0,7M6,0E10 - 1405214



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, Type 2, IEC 62196-2, 32 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-T2M3SE24-3AC32A-0,7M6,0E10 - 1405216



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, Type 2, IEC 62196-2, 32 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