

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)

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 299457
GTIN	4055626299457
Custom tariff number	85444290
Country of origin	Germany

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 single-phase

Dimensions

Vehicle connector width	70.00 mm
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Dimensions

Vehicle connector height	137.00 mm
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	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

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Technical data

Material

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

Cable

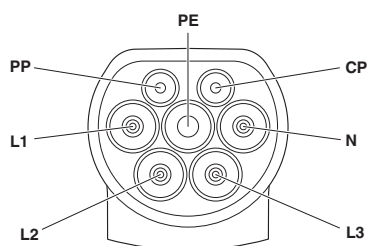
Cable structure	3 x 2.5 mm ² + 1 x 0.5 mm ² (prEN 50620, VDE Reg. 8789 class 5)
External cable diameter	10.2 mm ±0,3 mm
Type of conductor	spiraled
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	153 mm (15 x diameter)
Coil diameter	45 mm ±10 %
Block length	0.68 m ±10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

Environmental Product Compliance

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

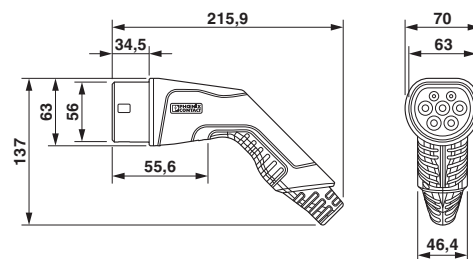
Drawings

Connection diagram



Pin assignment of Infrastructure Plug

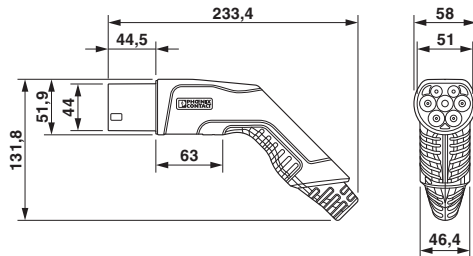
Dimensional drawing



Dimensional drawing of Vehicle Connector

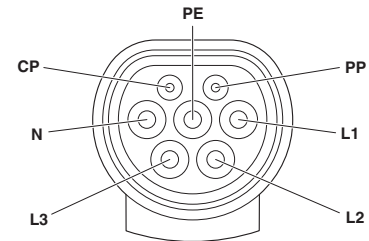
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Dimensional drawing



Dimensional drawing of the Infrastructure Plug

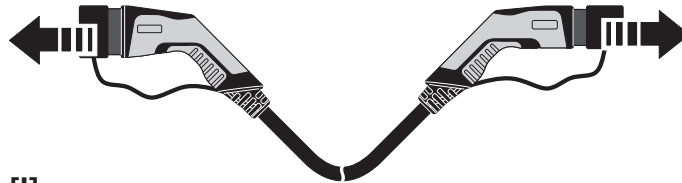
Schematic diagram



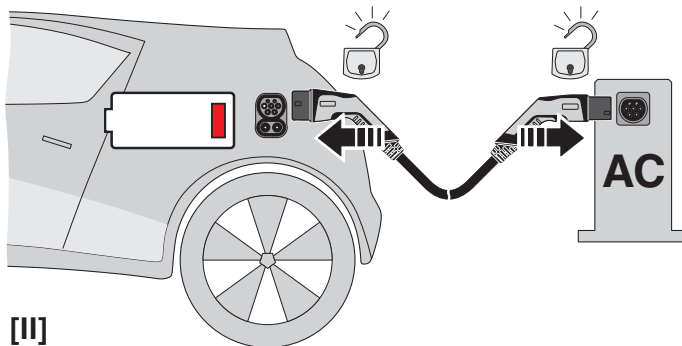
Pin assignment of the Vehicle Connector

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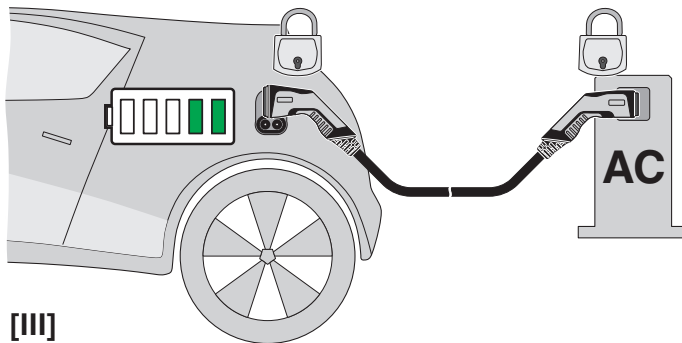
Schematic diagram



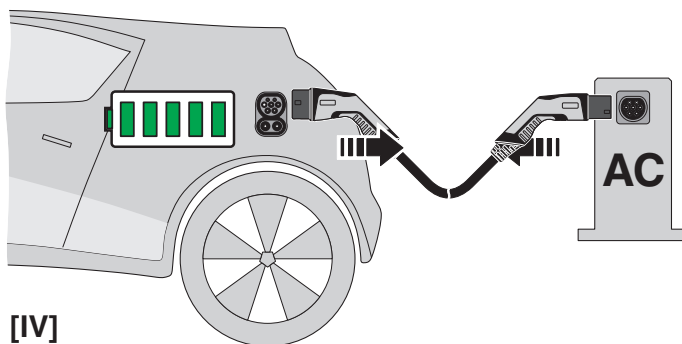
[I]



[II]



[III]



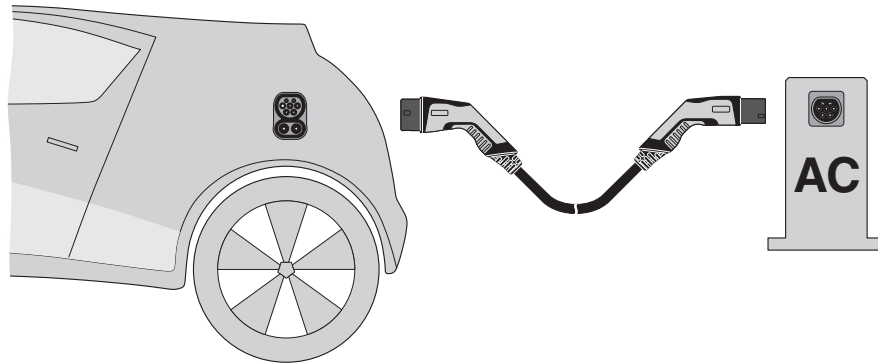
[IV]



[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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Accessories

Infrastructure socket outlet

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

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

Mounting material

Holder - EV-T2AC-PARK - 1624148



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