

AC charging cable - EV-T1G3C-1AC20A-4,0M2,5ESBK01 - 1627342

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AC charging cable with Vehicle Connector, open cable end, with protective cap, Type 1, IEC 62196-2, SAE J1772, 20 A / 250 V (AC), Design line C-Line, Cable: 4 m, black, straight, Mating face: black, Handle area: gray

Product Description

AC charging cable with Vehicle Connector and open cable end for charging electric vehicles (EV) with alternating current (AC) via type 1 Vehicle Inlets, for installation at charging stations for E-Mobility (EVSE)

Key Commercial Data

Packing unit	1
GTIN	 4 055626 322247
GTIN	4055626322247
Custom tariff number	85444290

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	AC charging cable with Vehicle Connector, open cable end, with protective cap
Type	Design line 2
Standards/regulations	IEC 62196-2
	SAE J1772
Charging standard	Type 1
Charging mode	Mode 3
Type of charging current	AC single-phase

Dimensions

Height	151.1 mm
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Dimensions

Width	58 mm
Depth	236.1 mm
Conductor length	4 m
Stripping length	60 mm ±15 mm

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, CS)
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC
Type of signal transmission	Pulse width modulation
Resistor coding	480 Ω (Lever actuated)
	150 Ω (Lever not actuated)

Mechanical properties

Insertion/withdrawal cycles	> 10000
Insertion force	< 75 N
Withdrawal force	< 75 N

Design

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

Material

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Technical data

Material

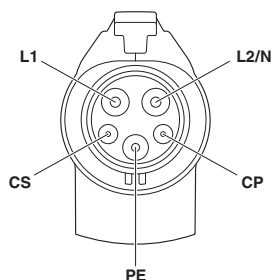
Housing material	Plastic
Material connection profile	Plastic
Material handle area	Soft plastic
Actuating lever material	Metal
Material protective cap	Soft plastic
Material surface of contacts	Ag

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	straight
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	153 mm (15 x diameter)

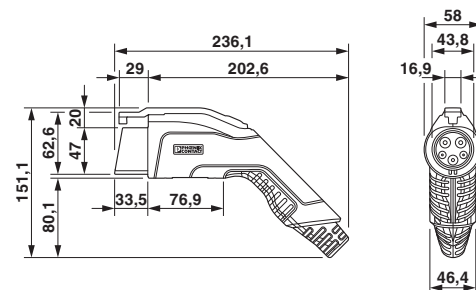
Drawings

Connection diagram



Pin assignment of the Vehicle Connector

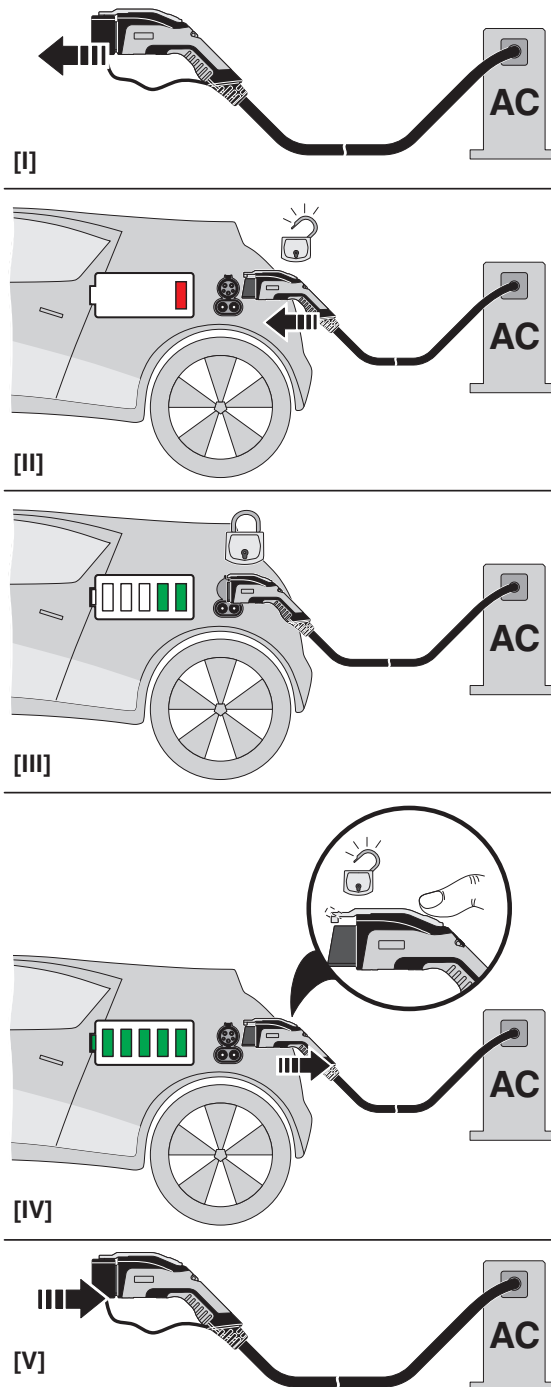
Dimensional drawing



Dimensional drawing of Vehicle Connector

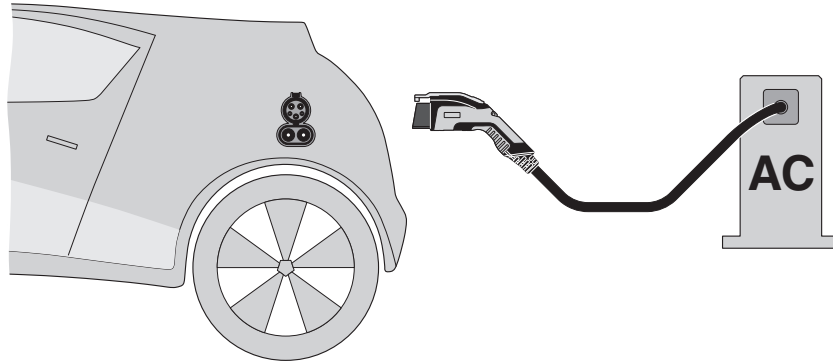
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Schematic diagram



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Schematic diagram



Terminology definition

Classifications

eCl@ss

eCl@ss 8.0	27059290
eCl@ss 9.0	27144705

ETIM

ETIM 5.0	EC002839
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Accessories

Accessories

Mounting material

Holder - EV-T1AC-PARK - 1624139



Retainer for Vehicle Connector as parking position at charging stations (EVSE), Type 1, SAE J1772