

AC charging cable - EV-T1G3K-1AC20A-5,0M2,5ESBK01 - 1627362

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid
(<http://phoenixcontact.com/download>)



AC charging cable with Vehicle Connector, open cable end, with locking option for U-lock, with protective cap, Type 1, IEC 62196-2, SAE J1772, 20 A / 250 V (AC), Design line C-Line, Cable: 5 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)

RoHS

Key Commercial Data

Packing unit	1
GTIN	 4 055626 317014
GTIN	4055626317014
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 locking option for U-lock, with protective cap
Type	Design line 2
Standards/regulations	IEC 62196-2
	SAE J1772
Charging standard	Type 1
Charging mode	Mode 3

AC charging cable - EV-T1G3K-1AC20A-5,0M2,5ESBK01 - 1627362

Technical data

Product definition

Type of charging current	AC single-phase
--------------------------	-----------------

Dimensions

Height	151.1 mm
Width	58 mm
Depth	236.1 mm
Conductor length	5 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

AC charging cable - EV-T1G3K-1AC20A-5,0M2,5ESBK01 - 1627362

Technical data

Design

Color protective cap	black
Customer variations	On request

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

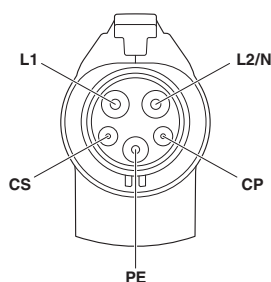
Cable structure	3 x 2.5 mm ² + 1 x 0.5 mm ² (prEN 50620, VDE Reg. 8789 class 5)
External cable diameter	10.2 mm ±0,3 mm
Type of conductor	straight
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	153 mm (15 x diameter)

Locking

Locking type	Locking option for actuating lever with 4 mm U-lock
--------------	---

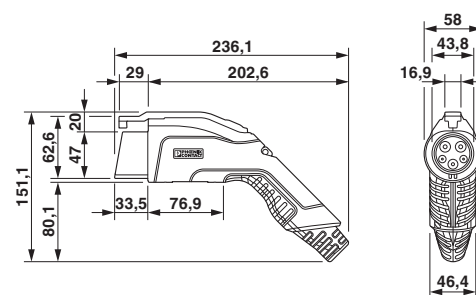
Drawings

Connection diagram



Pin assignment of the Vehicle Connector

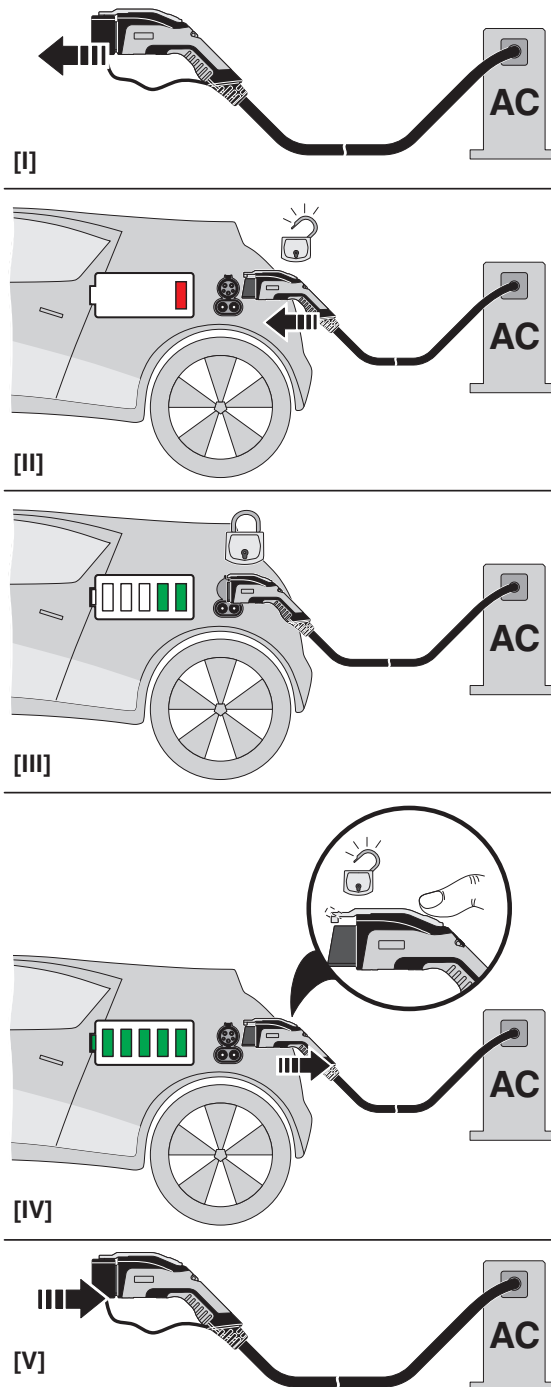
Dimensional drawing



Dimensional drawing of Vehicle Connector

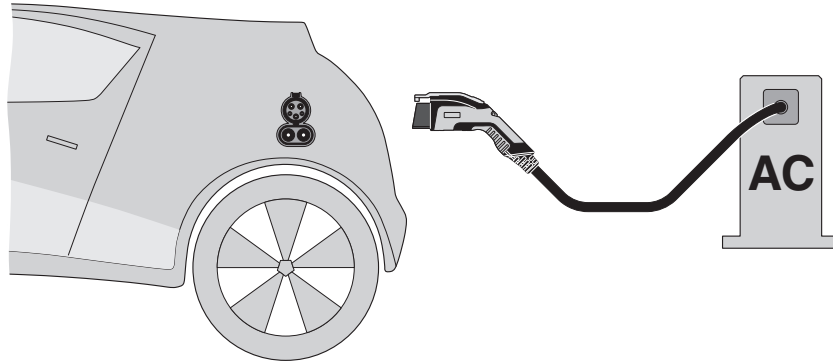
AC charging cable - EV-T1G3K-1AC20A-5,0M2,5ESBK01 - 1627362

Schematic diagram



AC charging cable - EV-T1G3K-1AC20A-5,0M2,5ESBK01 - 1627362

Schematic diagram



Terminology definition

Classifications

eCl@ss

eCl@ss 8.0	27059290
eCl@ss 9.0	27144705

ETIM

ETIM 5.0	EC002839
----------	----------

Accessories

Accessories

Mounting material

Holder - EV-T1AC-PARK - 1624139



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