

AC charging cable - EV-T1G3K-1AC20A-4,0M2,5ESBK01 - 1623236

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, locking option for U-lock and protective cap, Type 1, IEC 62196-2, SAE J1772, 20 A / 250 V (AC), Cable data: 4 m, black, straight, Design line 2

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 pc
GTIN	 4 055626 177786
Weight per Piece (excluding packing)	1.31 kg
Custom tariff number	85444290
Country of origin	Germany
Sales Key	Z1 - # w/o Assignment
Note	Made to Order (non-returnable)

Technical data

Product definition

Product type	AC charging cable with Vehicle Connector, open cable end, locking option for U-lock and protective cap
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
Width	58 mm
Depth	236.1 mm
Conductor length	4 m

AC charging cable - EV-T1G3K-1AC20A-4,0M2,5ESBK01 - 1623236

Technical data

Dimensions

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	2
Housing color	black
Color handle area	gray
Actuating element color	silver
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

AC charging cable - EV-T1G3K-1AC20A-4,0M2,5ESBK01 - 1623236

Technical data

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
--------------	---

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440590
eCl@ss 9.0	27144705

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002839

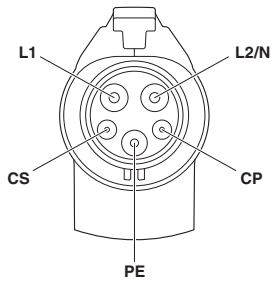
UNSPSC

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

Drawings

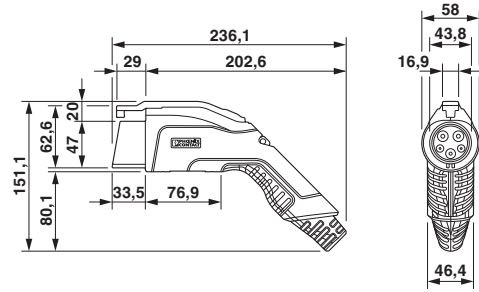
AC charging cable - EV-T1G3K-1AC20A-4,0M2,5ESBK01 - 1623236

Connection diagram



Pin assignment of the Vehicle Connector

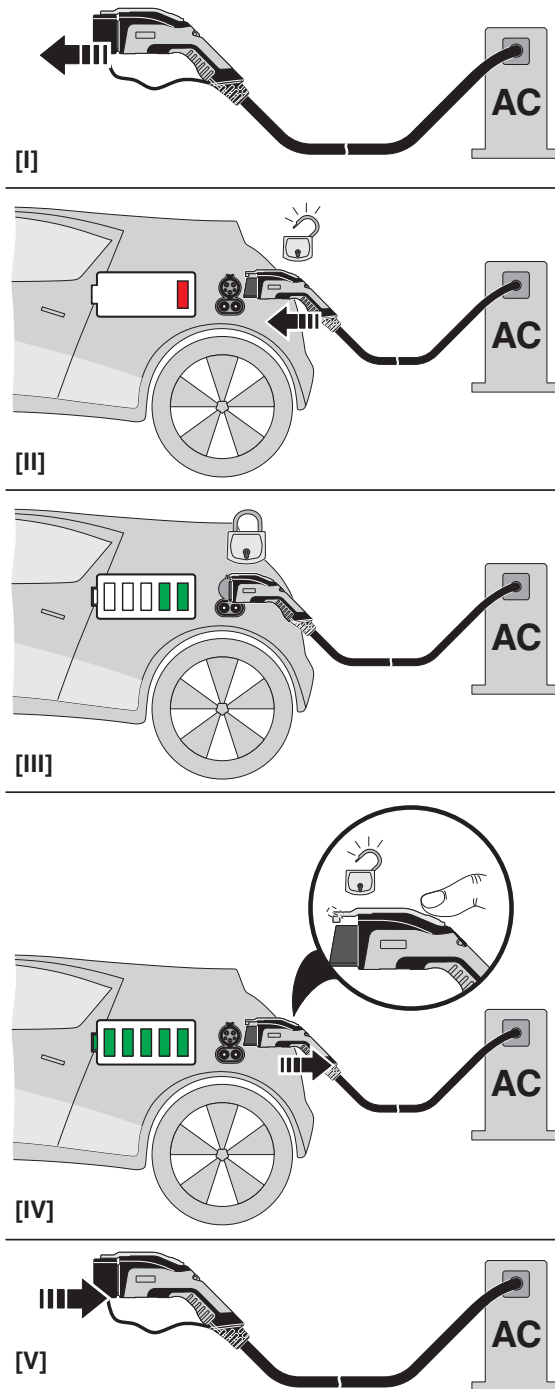
Dimensional drawing



Dimensional drawing of Vehicle Connector

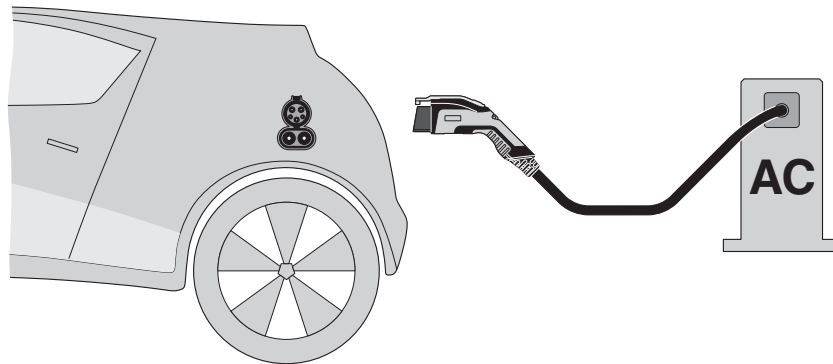
AC charging cable - EV-T1G3K-1AC20A-4,0M2,5ESBK01 - 1623236

Schematic diagram



AC charging cable - EV-T1G3K-1AC20A-4,0M2,5ESBK01 - 1623236

Schematic diagram



Terminology definition

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>