

EV-T1G3C-1AC30A-10,5M6JSBK11U - AC charging cable



1467293

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CHARX connect comfort, Type 1, AC charging cable, 30 A permanent, 250 V AC, with vehicle charging connector and open cable end, cable: 10.5 m, black, straight, without protective cap, with locking option for padlock, PHOENIX CONTACT logo, NOTE: Signal transmission is dependent on the cable length and may be adversely affected., IEC 62196-2, SAE J1772, PSE, for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets

Product description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets, for installation at charging stations for e-mobility (EVSE)

Your advantages

- Complete product range
- Convenient handling due to the ergonomic, triple award-winning design
- Available with your logo on request - for consistent branding of your charging station
- Longitudinal water tightness reliably prevents water ingress
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Tested in accordance with automotive standards LV124, LV214, and LV215-2
- Tested in accordance with EV Ready 37 requirements
- Laser-marked mating face in accordance with DIN EN 17186

Commercial data

Item number	1467293
Packing unit	1 pc
Minimum order quantity	25 pc
Sales key	XWBDAB
Product key	XWBDAB
GTIN	4063151862978
Weight per piece (including packing)	4,591 g
Weight per piece (excluding packing)	4,591 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product type	AC charging cable
Product family	CHARX connect comfort
Type	AC charging cable with vehicle charging connector and open cable end
Design	without protective cap with locking option for padlock
Charging standard	Type 1
Charging mode	Mode 3, Case C
Affixed logo	PHOENIX CONTACT logo
Customer variations	On request

Electrical properties

Charging power and current (AC charging, 1-phase)

Type of charging current	AC single-phase
Charging current	30 A AC (1-phase)
Charging power	7.5 kW (1-phase)
Operating voltage	typ. 240 V

Pin assignment (Power contacts)

Note on the connection method	Crimp connection, cannot be disconnected
Number	3 (L1, N, PE)
Rated voltage	250 V AC
Rated current	30 A

Pin assignment (Signal contacts)

Note on the connection method	Crimp connection, cannot be disconnected
Type of signal transmission	Pulse width modulation
Number	2 (CP, CS)
Rated voltage	30 V AC
Rated current	2 A
Coding	480 Ω (Lever actuated) 150 Ω (Lever not actuated)

Dimensions

Vehicle charging connector

Width	58 mm
Height	151.1 mm
Depth	236.1 mm

Material specifications

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Color (Housing)	black (9005)
Color (Handle area)	black (9005)
Color (Actuating element)	silver gray (7001)
Color (Mating face)	black (9005)
Color (Protective cap)	black (9005)
Color (Cable)	black (9005)
Material (Vehicle charging connector)	Plastic
Material (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver
Note	The color appearance and gloss level of the charging cable may vary.

Cable/line

Cable length	10.5 m
Wiring certifications	PSE
Cable weight	max. 420.00 kg/km
Cable type	straight
Cable structure	3 x 6 mm ² + 1 x 0.75 mm ²
External cable diameter	16.30 mm
Stripping length of the sheath	60 mm ±15 mm
Stripping length	60 mm ±15 mm
Cable resistance	≤ 0.00317 Ω/m (based on a power core, at an ambient temperature of 20°C)

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

Degree of protection (Vehicle charging inlet)	IP44 (plugged in; when plugged in and ready to operate, the degree of protection is only ensued if both plug-in components are original products from Phoenix Contact or suitable standard-compliant products)
Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m (above sea level)

Standards and regulations

Connection in accordance with standard

Normative cable length restrictions	NOTE: Signal transmission is dependent on the cable length and may be adversely affected.
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	The cable capacity must therefore be assessed in the overall system of the charging station and must not exceed 3100 pF (IEC 61851-1, Annex A, Table A.2, Note d).
	Interference-free V2G communication in accordance with ISO 15118 is not guaranteed for cable lengths over 10 m (ISO IEC 15118-3, A.11.3, Table A.11).
	Cable management is required in the US if the cable length exceeds 7.5 m (IEC 61851-1).

Standards

Standards/regulations	IEC 62196-2
	SAE J1772
	PSE

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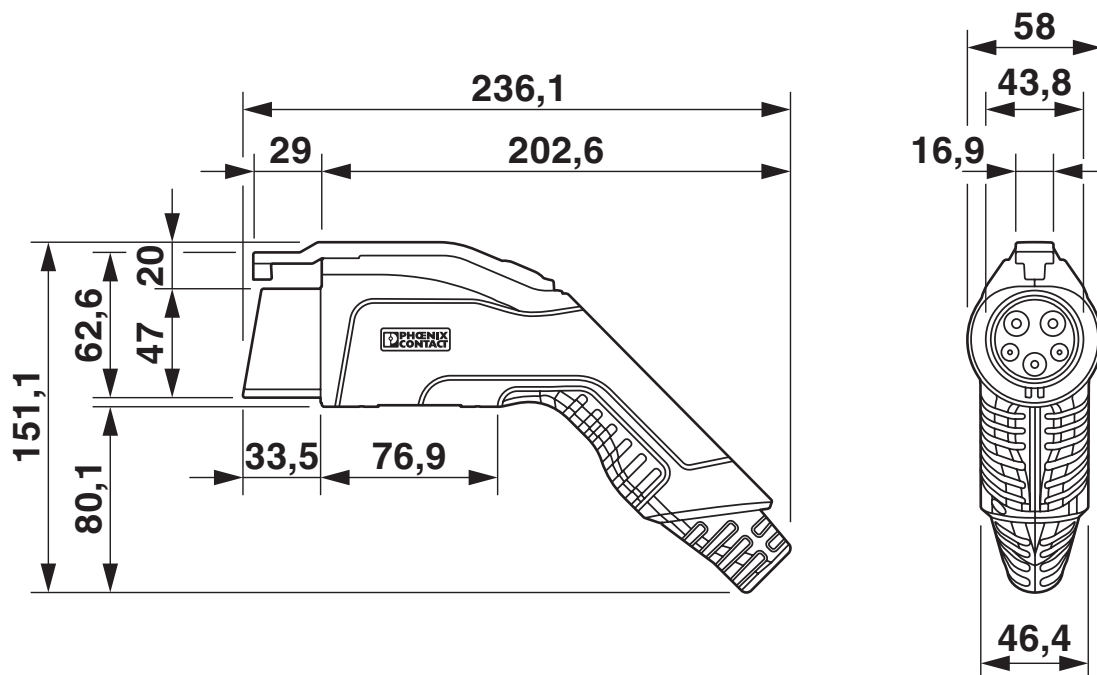


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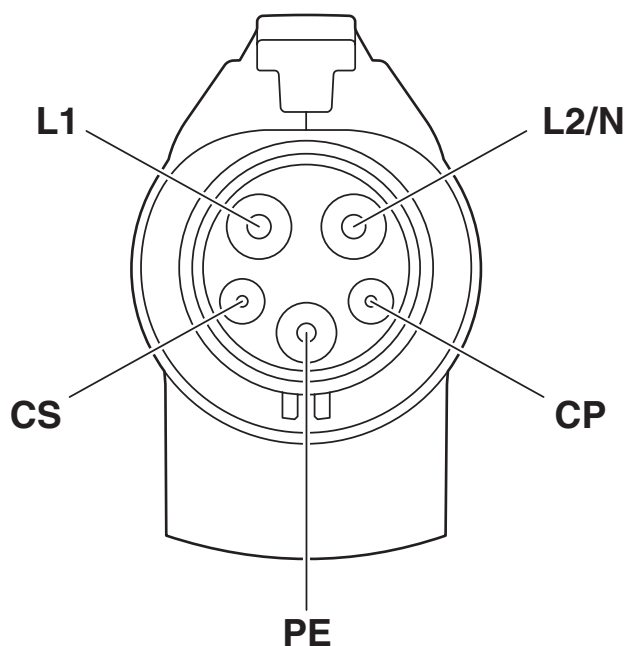
Drawings

Dimensional drawing



Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging connector. Detailed dimensions can also be found in the Download area.

Connection diagram



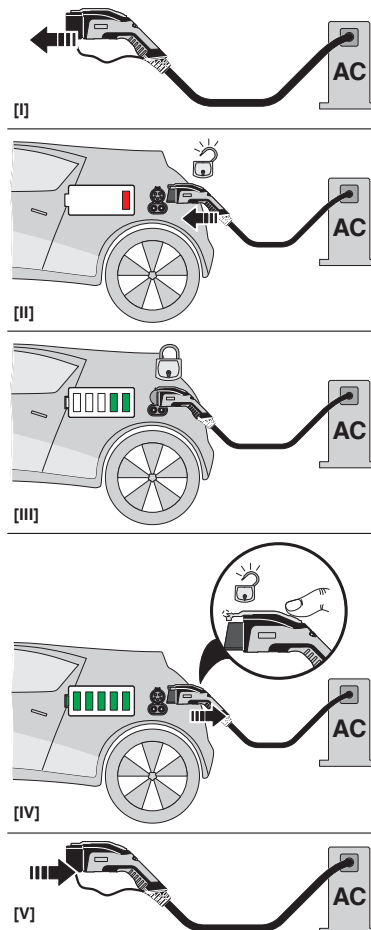
Pin assignment of the Vehicle Connector

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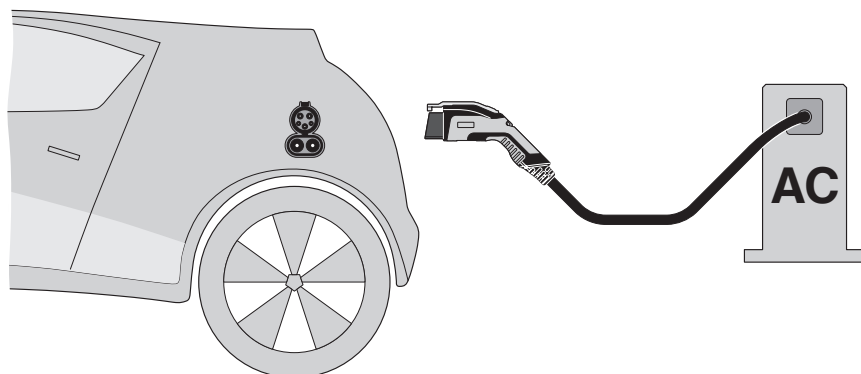
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Schematic diagram



Operating instructions

Schematic diagram



Terminology definition

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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1467293>

PSE Approval ID: JET7416-43006-1002				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	250 V	30 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27144705
ECLASS-15.0	27144705

ETIM

ETIM 10.0	EC002897
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	ceef888c-544d-439a-acfd-ce58a90b9f70

EF3.1 Climate Change

CO2e kg	55.14 kg CO2e
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