

AC charging cable - EV-T1G3C-1AC32A-4,0M6,0EHBK01 - 1627344

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CHARX connect, AC charging cable with vehicle charging connector and open cable end, with protective cap, Housing color black-gray, for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets, for installation at charging stations for electromobility (EVSE), Type 1, IEC 62196-2, SAE J1772, 32 A / 250 V (AC), C-Line, "PHOENIX CONTACT" logo, cable: 4 m, black, spiraled

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)

Your advantages

- ✓ Consistent design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- ✓ Silver-plated surface of the power and signal contacts
- ✓ Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- ✓ Convenient handling, thanks to the ergonomic handle and additional, rubber grip components
- ✓ Tested in accordance with selected tests of automotive standards LV124, LV214, LV215-2
- ✓ Laser-marked pin connector pattern in accordance with DIN EN 17186
- ✓ Reliable function of the locking lever with additional seal
- ✓ Consistent longitudinal water tightness prevents water ingress in the cable



Key Commercial Data

Packing unit	1
GTIN	 4 055626 322261
GTIN	4055626322261
Custom tariff number	85444290

Technical data

Product definition

Type	AC charging cable
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Technical data

Product definition

	with vehicle charging connector and open cable end
	with protective cap
	Housing color black-gray
Application	for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets
	for installation at charging stations for electromobility (EVSE)
Affixed logo	"PHOENIX CONTACT" logo
Design	C-Line
Standards/regulations	IEC 62196-2
	SAE J1772
Charging standard	Type 1
Charging mode	Mode 3, Case C

Dimensions

Height	151.1 mm (Vehicle charging connector)
Width	58 mm (Vehicle charging connector)
Depth	236.1 mm (Vehicle charging connector)
Conductor length	4 m
Stripping length	70 mm ±5 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; 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)
	IP54 (Protective cap)

Electrical properties

Charging power (nominal operation)	8 kW
Number of phases	1
Number of power contacts	3 (L1, N, PE)
Rated current of power contacts	32 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
Note on the connection method	Crimp connection, cannot be disconnected

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Technical data

Electrical properties

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
Mating face color	black
Color handle area	gray
Actuating element color	silver
Color protective cap	black
Customer variations	On request

Material

Housing material	Plastic
Material handle area	Soft plastic
Actuating lever material	Metal
Material protective cap	Soft plastic
Material mating face	Plastic
Flammability rating	V0
Material surface of contacts	Ag

Cable

Cable structure	3 x 6.0 mm ² + 1 x 0.5 mm ²
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring class	Class 5
Wiring certifications	VDE
External cable diameter	12.8 mm ±0.4 mm
Type of conductor	spiraled
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	76.8 mm (6x diameter)
Coil diameter	60 mm ±10 %
Block length	0.63 m ±10 %

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Technical data

Cable

Effective length	max. 4 m \pm 5 %
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Locking

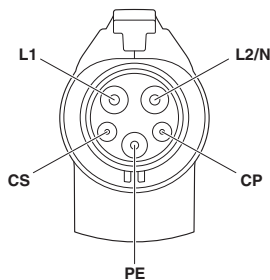
Locking type	No locking option for U-lock
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Environmental Product Compliance

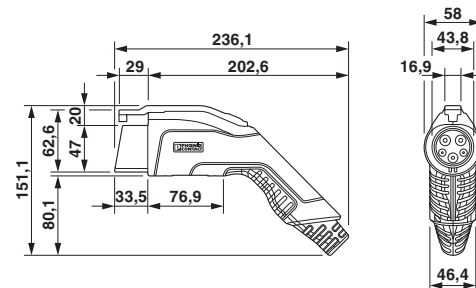
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Connection diagram



Dimensional drawing

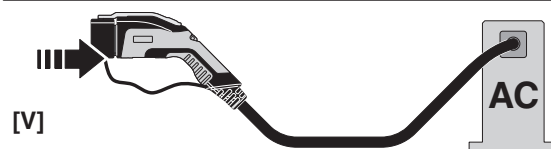
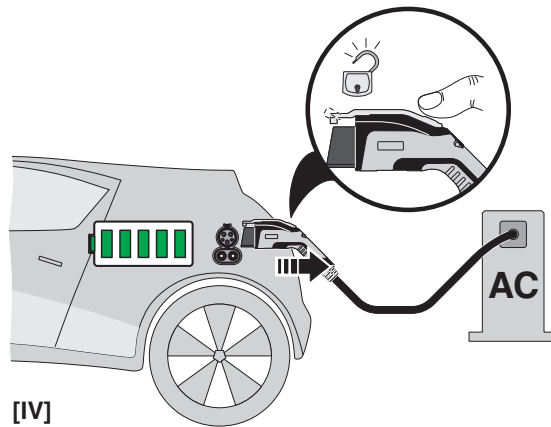
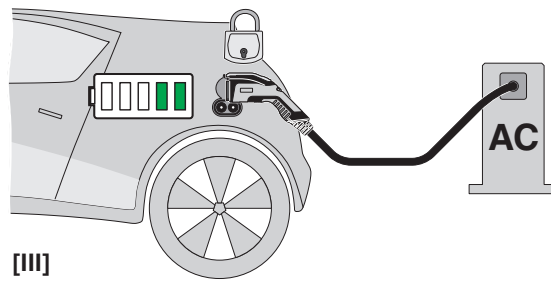
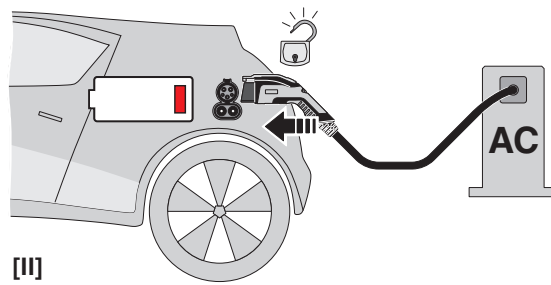
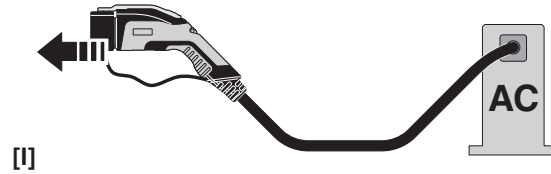


Pin assignment of the Vehicle Connector

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.

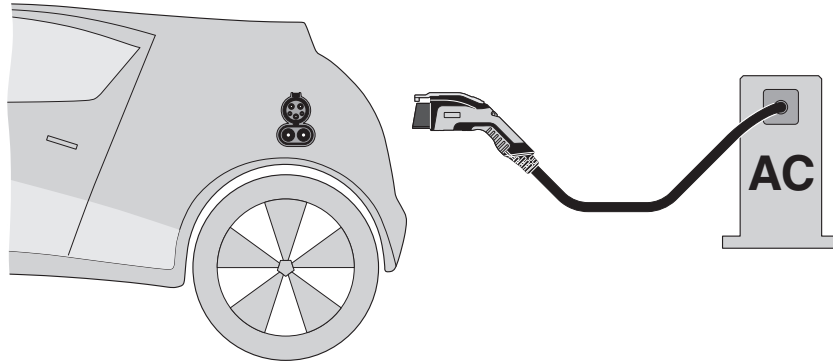
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Schematic diagram



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Schematic diagram



Terminology definition

Classifications

eCl@ss

eCl@ss 10.0.1	27144705
eCl@ss 11.0	27144705
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27449001
eCl@ss 9.0	27144705

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 6.0	EC002897
ETIM 7.0	EC002897

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522

AC charging cable - EV-T1G3C-1AC32A-4,0M6,0EHBK01 - 1627344

Classifications

UNSPSC

UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals


Approvals


Approvals

IECEE CB Scheme / VDE Zeichengenehmigung

Ex Approvals

Approval details

IECEE CB Scheme		http://www.iecee.org/	DE1-60844
Nominal voltage UN		250 V	
Nominal current IN		32 A	

VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40045364
Nominal voltage UN		250 V	
Nominal current IN		32 A	

Accessories

Accessories

Adhesive label

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Accessories

Label - EV-LABEL-B - 1309758



CHARX connect, Label, accordance to DIN EN 17186, for AC charging cable, Marking B for AC type 1 vehicle charging connectors with metric charging cable and type 1 vehicle charging inlets

Charging connector holder

Charging connector holder - EV-T1AC-PARK - 1624139



CHARX connect, Charging connector holder, for vehicle charging connectors on charging stations (EVSE), Type 1, SAE J1772, Front mounting

Full screw connection

Cable gland - G-INS-M20-M68N-PNES-BK - 1424481



Cable gland, cable gland material: PA, external cable diameter 10 mm ... 14 mm, shielding: no, connecting thread: M20 x 1.5, color: jet black RAL 9005