

# EV-T1L2CC-DC125A-25,0FT1ASBK01 - DC charging cable



1628114

<https://www.phoenixcontact.com/us/products/1628114>

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CHARX connect, CCS type 1, cable: 25 ft, SAE J1772, IEC 62196-3, DC charging cable with vehicle connector, open cable end, NOTE: Cable management may be required.

## Product description

DC charging cable with vehicle charging connector and free cable end for fast charging of electric vehicles (EV) with direct current (DC) via CCS type 1 vehicle charging 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
- Integrated temperature sensors for monitoring the temperature at the power contacts

## Commercial data

Item number	1628114
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	EM01
Product key	XWBAAB
GTIN	4055626388649
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	DC charging cable
Product family	CHARX connect
Charging standard	CCS type 1
Charging mode	Mode 4

### Electrical properties

#### Charging power and current (DC charging)

Type of charging current	DC
Charging current	125 A DC
Charging power	125 kW
Rated voltage	1000 V

#### Temperature sensors (Pt 1000)

Sensor type	Pt 1000
Standards/regulations	DIN EN 60751
Attachment point	Sensor for the DC contacts
Switch-off temperature	90 °C ±1 K (equivalent to a Pt 1000 value of 1346.5 Ω)
Long-term stability	0.06 % (after 1000 hours at 130 °C)
Recommended measured current	1 mA (1 V at 0°C)
Coefficient	3850 ppm/K
Ambient temperature	-50 °C ... 130 °C (Operation)

### Cable/line

Cable length	25 ft
Stripping length of the sheath	130 mm ±20 mm
Stripping length	130 mm ±20 mm

### Standards and regulations

#### Standards

Standards/regulations	SAE J1772
	IEC 62196-3

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## Drawings



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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Schematic diagram



“Combined Charging System” principle

Schematic diagram



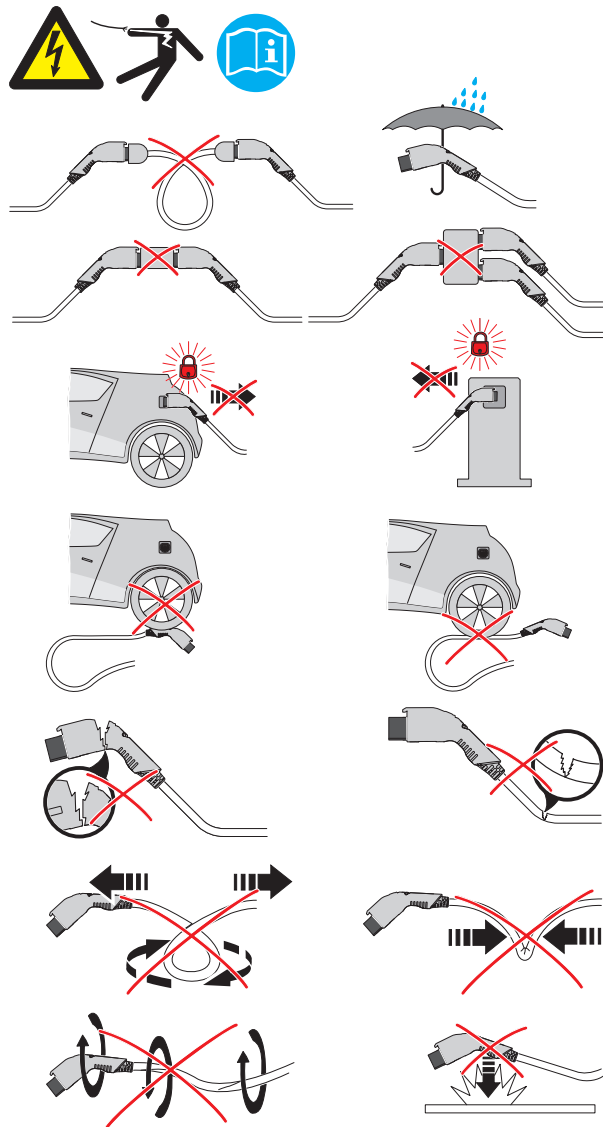
Operating instructions

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## Schematic diagram



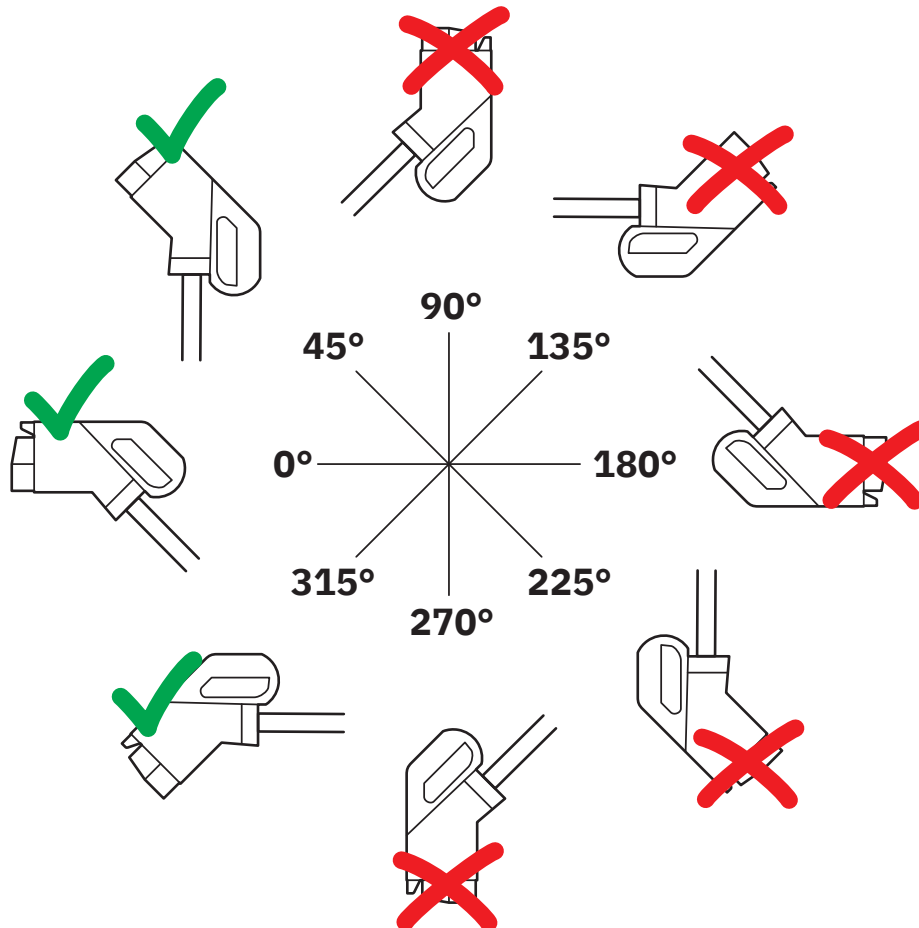
Warnings regarding use

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Schematic diagram



The resting position must be installed in the charging station such that the user cannot hang up the vehicle connector upside down (90° to 270°). However, positions rotated upward (45°) or downward (315°) are options for a resting position.

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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-10 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.
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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