

# EV-T1L2CC-DC125A-5,5M1ASBK01 - DC charging cable



1628122

<https://www.phoenixcontact.com/us/products/1628122>

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 documentation. Our general terms of use for downloads are valid.



CHARX connect, CCS type 1, cable: 5.5 m, 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                          | 1628122                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | EM01                           |
| Product key                          | XWBAAB                         |
| GTIN                                 | 4055626385358                  |
| Weight per piece (including packing) | 12.34 kg                       |
| Weight per piece (excluding packing) | 12.17 kg                       |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

# EV-T1L2CC-DC125A-5,5M1ASBK01 - DC charging cable



1628122

<https://www.phoenixcontact.com/us/products/1628122>

## Technical data

### Notes

|         |                                                                                                                               |
|---------|-------------------------------------------------------------------------------------------------------------------------------|
| General | NOTE: Cable management may be required.                                                                                       |
| General | Cable management is required in certain regions if the cable length exceeds 5.0 m (Switzerland) or 7.5 m (USA) (IEC 61851-1). |

### Product properties

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| Product type      | DC charging cable                                                                    |
| Product family    | CHARX connect                                                                        |
| Application       | DC charging cable with vehicle connector, open cable end<br>Combined Charging System |
| 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                   | 5.5 m         |
| 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 |

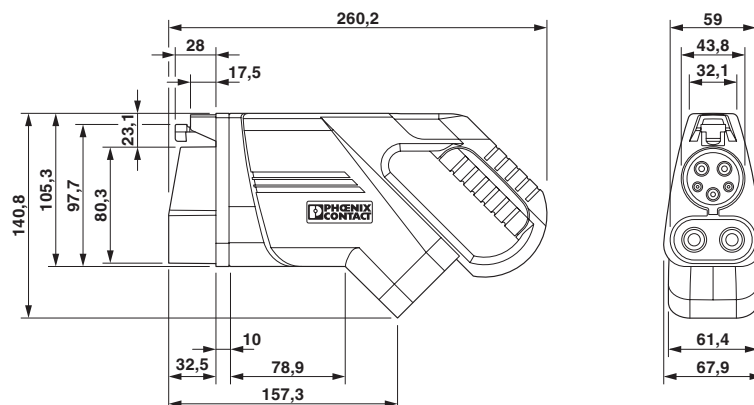
# EV-T1L2CC-DC125A-5,5M1ASBK01 - DC charging cable

1628122

<https://www.phoenixcontact.com/us/products/1628122>

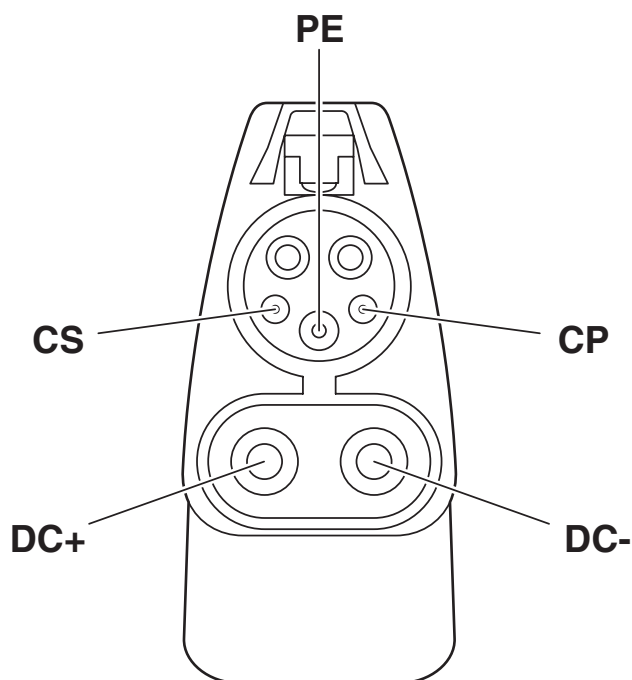
## Drawings

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



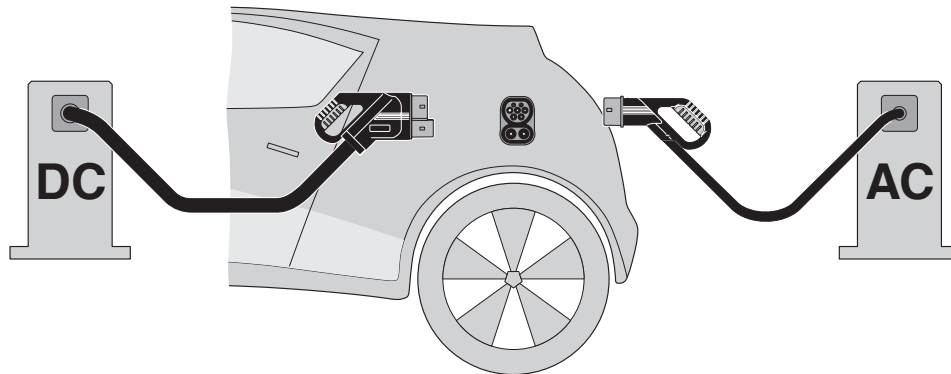
Pin assignment of the Vehicle Connector

# EV-T1L2CC-DC125A-5,5M1ASBK01 - DC charging cable

1628122

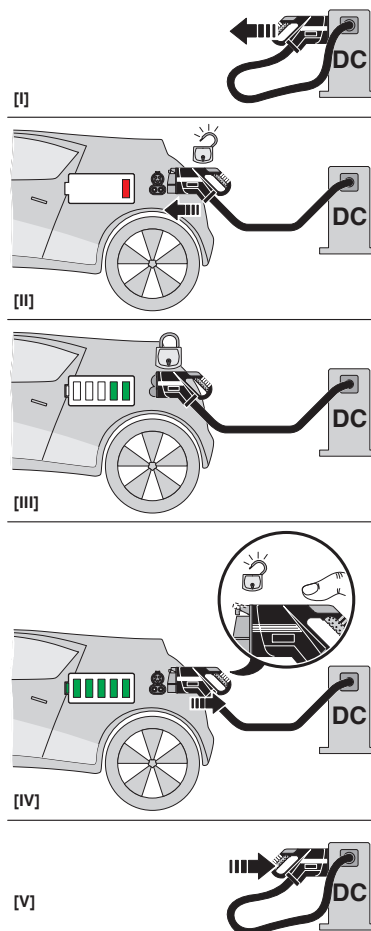
<https://www.phoenixcontact.com/us/products/1628122>

Schematic diagram



"Combined Charging System" principle

Schematic diagram



Operating instructions

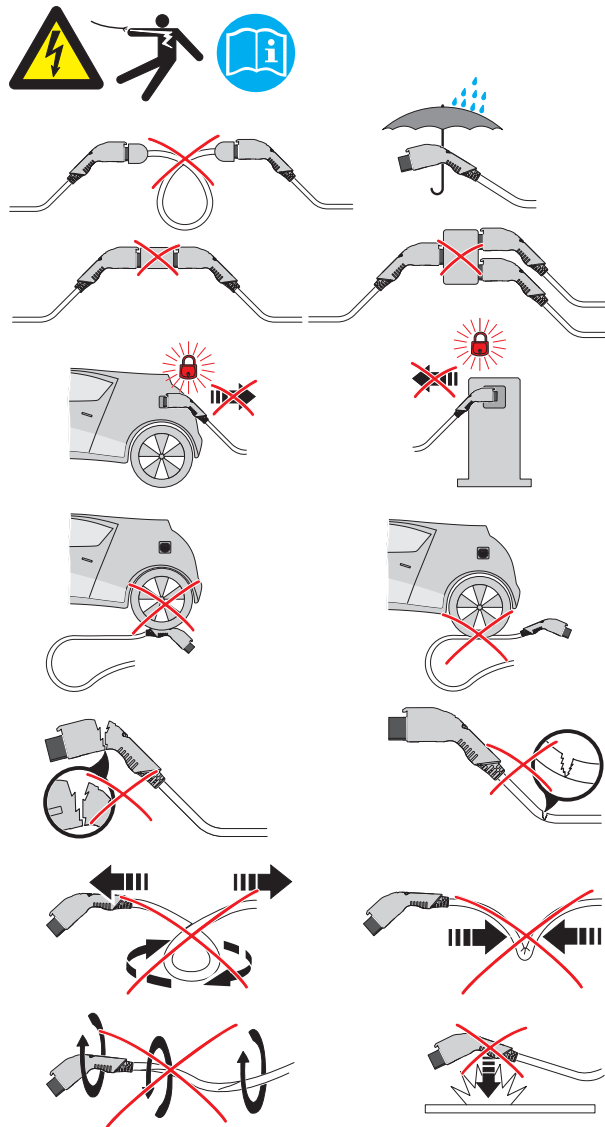
EV-T1L2CC-DC125A-5,5M1ASBK01 - DC charging cable



1628122

<https://www.phoenixcontact.com/us/products/1628122>

### Schematic diagram



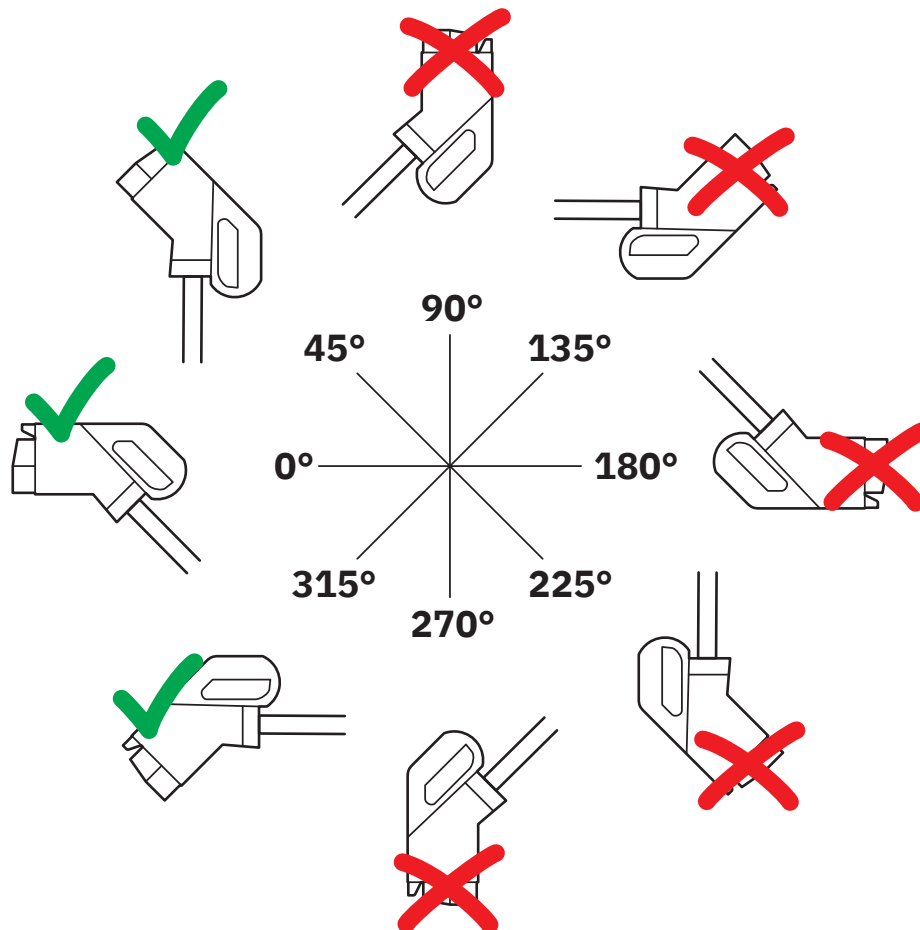
### Warnings regarding use

# EV-T1L2CC-DC125A-5,5M1ASBK01 - DC charging cable

1628122

<https://www.phoenixcontact.com/us/products/1628122>

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.

# EV-T1L2CC-DC125A-5,5M1ASBK01 - DC charging cable



1628122  
<https://www.phoenixcontact.com/us/products/1628122>

## Environmental product compliance

|                                        |                                                                                                                                                                                                                                                                 |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| China RoHS                             |                                                                                                                                                                                                                                                                 |
| Environment friendly use period (EFUP) | <div>EFUP-10</div> <div>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.</div> |
| EU REACH SVHC                          |                                                                                                                                                                                                                                                                 |
| REACH candidate substance (CAS No.)    | No substance above 0.1 wt%                                                                                                                                                                                                                                      |

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)