

# EV-T1L2CC-DC60A-5,0M6ASBK01 - DC charging cable



1623633

<https://www.phoenixcontact.com/us/products/1623633>

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CHARX connect, CCS type 1, cable: 5 m, SAE J1772, IEC 62196-3, DC charging cable with vehicle connector, open cable end

## 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
- Material data available in the IMDS (International Material Data System of the automotive industry)
- Integrated temperature sensors for monitoring the temperature at the power contacts

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1623633       |
| Packing unit                         | 1 pc          |
| Sales key                            | EM01          |
| Product key                          | XWBAAB        |
| GTIN                                 | 4055626274256 |
| Weight per piece (including packing) | 5,936 g       |
| Weight per piece (excluding packing) | 5,858 g       |
| 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         | 60 A DC |
| Charging power           | 60 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 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 |

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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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## Environmental product compliance

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-10<br>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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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