

EV-GBM4C-DC125A-3,0M50ESBK00 - DC charging cable



1624451

<https://www.phoenixcontact.com/us/products/1624451>

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CHARX connect, GB/T, cable: 3 m, GB/T 20234.3-2015, DC charging cable with Vehicle Connector, open cable end, with protective cap

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 GB/T 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
- Integrated interlock during charging

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1624451 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | XWBAAG |
| GTIN | 4055626278070 |
| Weight per piece (including packing) | 5,812 g |
| Weight per piece (excluding packing) | 5,812 g |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-------------------|-------------------|
| Product type | DC charging cable |
| Product family | CHARX connect |
| Charging standard | GB/T |
| 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 | 3 m |
| Stripping length of the sheath | 130 mm ±20 mm |
| Stripping length | 130 mm ±20 mm |

Standards and regulations

Standards

| | |
|-----------------------|-------------------|
| Standards/regulations | GB/T 20234.3-2015 |
|-----------------------|-------------------|

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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.

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Schematic diagram



Operating instructions

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Pin assignment of the Vehicle Connector

Block diagram



Block diagram GB/T DC

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121522 |
|-------------|----------|

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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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