

EV-GBM4C-DC75A-10,0M16ESBK00 - DC charging cable



1624575
<https://www.phoenixcontact.com/us/products/1624575>

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CHARX connect, DC charging cable with Vehicle Connector, open cable end, with protective cap, GB/T, GB/T 20234.3-2015, cable: 10 m, 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 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	1624575
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAAG
GTIN	4055626278940
Weight per piece (including packing)	9.17 kg
Weight per piece (excluding packing)	8.39 kg
Country of origin	DE

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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, with protective cap
Charging standard	GB/T
Charging mode	Mode 4

Electrical properties

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 $\pm$ 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	10 m
Stripping length of the sheath	130 mm $\pm$ 20 mm
Stripping length	130 mm $\pm$ 20 mm

Standards and regulations

Standards

Standards/regulations	GB/T 20234.3-2015
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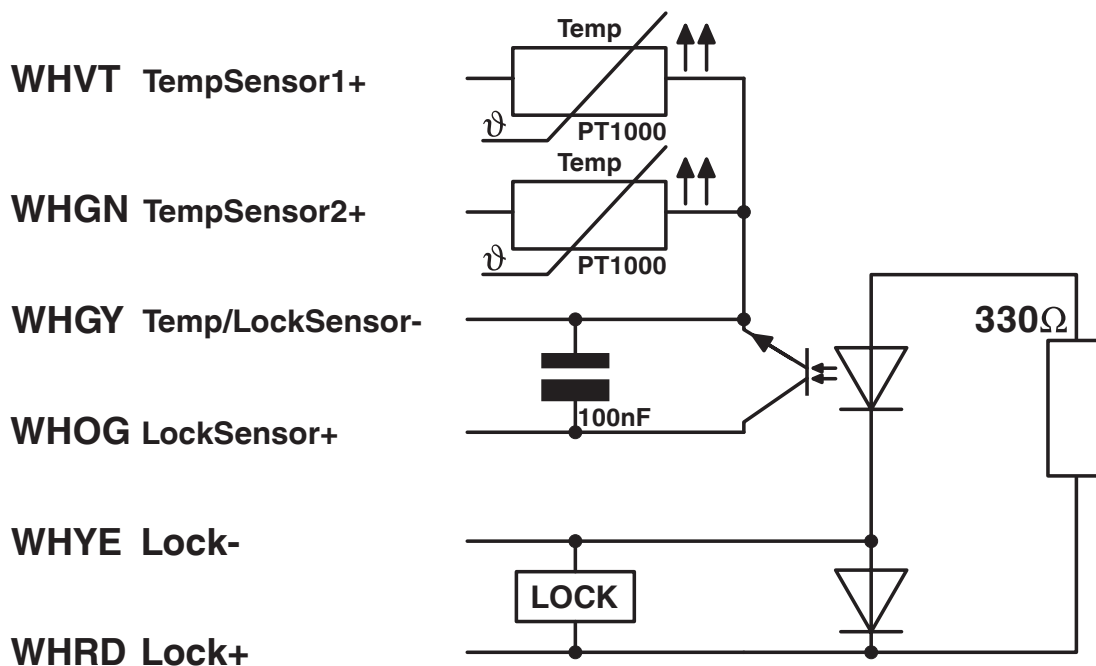
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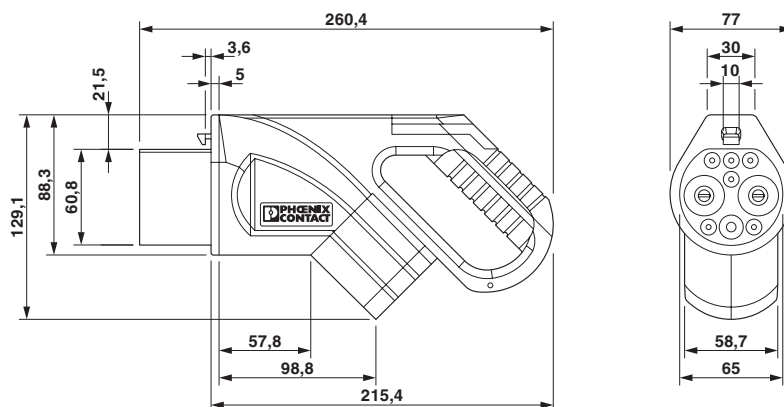
Drawings

Block diagram



Block diagram GB/T DC

Dimensional drawing

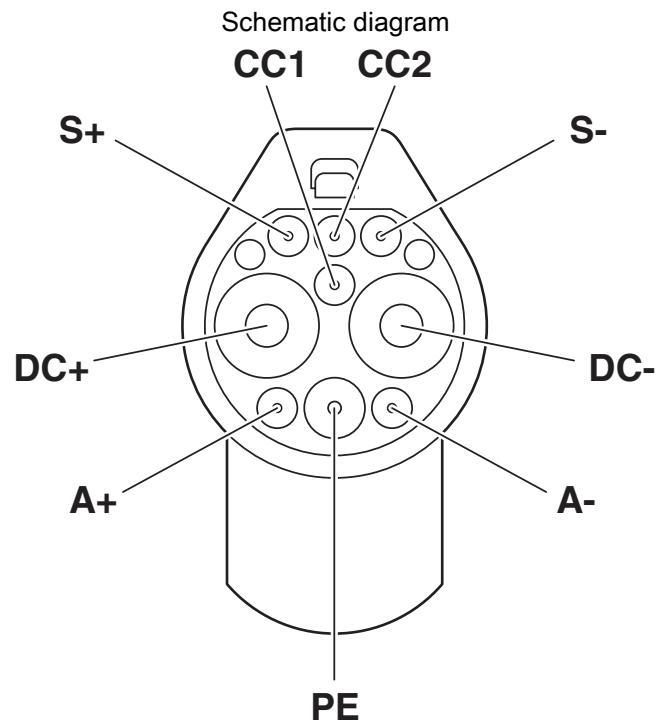


Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging connector. Detailed dimensions can also be found in the Download area.

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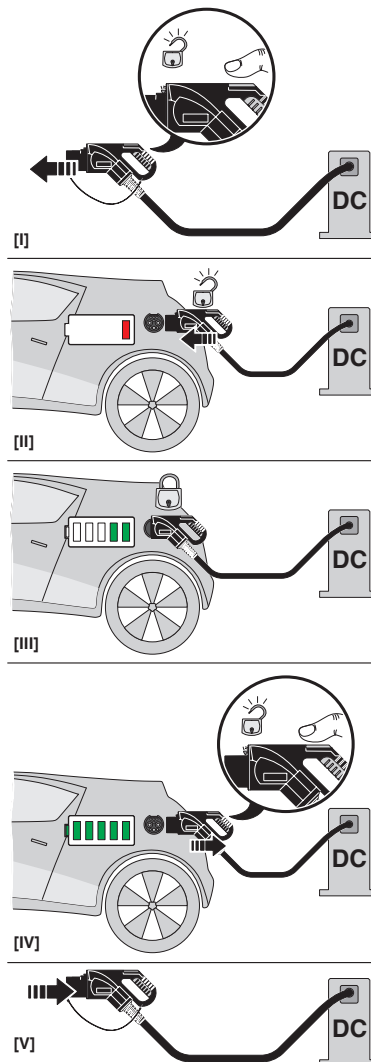
Pin assignment of the Vehicle Connector

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Schematic diagram



Operating instructions

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

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Accessories

EV-GBDC-PARK-R - Charging connector holder

1623496

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CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), GB/T, GB/T 20234.3, Front mounting, housing: black

EV-GBDC-PARK-SW - Charging connector holder

1623497

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CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), GB/T, GB/T 20234.3, Front mounting, Park position with pushbutton (N/C contact) to detect the plug state., housing: black

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EV-GBDC-PARK - Charging connector holder

1623770

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CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), GB/T, GB/T 20234.3, Front mounting, housing: black

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