

AC charging cable - EV-GBG3JK-1AC16A-5,0M2,5ESBK11 - 1628380

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CHARX connect, Mobile AC charging cable with vehicle charging connector and infrastructure charging plug, with protective caps, Housing color black-black, with locking option for padlock, For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets, Compatible with GB/T infrastructure charging sockets at charging stations for electromobility (EVSE), GB/T, GB/T 20234.2-2015, GB/T 18487.1-2015, 16 A / 250 V (AC), C-Line, "PHOENIX CONTACT" logo, cable: 5 m, black, straight

Product Description


Mobile AC charging cable with Vehicle Connector and Infrastructure Plug for charging electric vehicles (EV) with alternating current (AC), via a GB/T Vehicle-Inlet, compatible with GB/T Infrastructure Socket Outlets 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
- ✓ Certified in accordance with IATF 16949:2016 and ISO 9001:2015
- ✓ Convenient handling, thanks to the ergonomic handle and additional, rubber grip components
- ✓ Tested in accordance with selected tests of automotive standards LV124, LV214, LV215-2
- ✓ Reliable function of the locking lever with additional seal
- ✓ Optional locking option with a U-lock
- ✓ Consistent longitudinal water tightness prevents water ingress in the cable



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 055626 430034 |
| GTIN | 4055626430034 |
| Weight per Piece (excluding packing) | 2,000.000 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

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Technical data

Product definition

| | |
|-----------------------|--|
| Type | Mobile AC charging cable |
| | with vehicle charging connector and infrastructure charging plug |
| | with protective caps |
| | Housing color black-black |
| | with locking option for padlock |
| Application | For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets |
| | Compatible with GB/T infrastructure charging sockets at charging stations for electromobility (EVSE) |
| Affixed logo | "PHOENIX CONTACT" logo |
| Design | C-Line |
| Standards/regulations | GB/T 20234.2-2015 |
| | GB/T 18487.1-2015 |
| Charging standard | GB/T |
| Charging mode | Mode 3, Case B |

Dimensions

| | |
|------------------|---|
| Height | 151.3 mm (Vehicle charging connector) |
| | 151.3 mm (Infrastructure charging plug) |
| Width | 58 mm (Vehicle charging connector) |
| | 58 mm (Infrastructure charging plug) |
| Depth | 238.7 mm (Vehicle charging connector) |
| | 249.2 mm (Infrastructure charging plug) |
| Conductor length | 5 m |

Ambient conditions

| | |
|---|--|
| Ambient temperature (operation) | -30 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
| Max. altitude | 5000 m (above sea level) |
| Degree of protection | IP55 (plugged in; when plugged in and ready to operate, the degree of protection is only ensued if both plug-in components are original products from Phoenix Contact or suitable standard-compliant products) |
| | IP54 (Protective cap) |

Electrical properties

| | |
|----------------------------------|--------------|
| Maximum charging power | 4 kW |
| Number of phases | 1 |
| Number of power contacts | 3 (L, N, PE) |
| Rated current of power contacts | 16 A |
| Rated voltage for power contacts | 250 V |

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Technical data

Electrical properties

| | |
|-----------------------------------|--|
| Number of signal contacts | 2 (CP, CC) |
| Rated current for signal contacts | 2 A |
| Rated voltage for signal contacts | 30 V AC |
| Type of signal transmission | Pulse width modulation |
| Note on the connection method | Crimp connection, cannot be disconnected |
| Resistor coding | 680 Ω + 2.7 kΩ (Lever actuated) |
| | 680 Ω (Lever not actuated) |

Mechanical properties

| | |
|-----------------------------|---------|
| Insertion/withdrawal cycles | > 10000 |
| Insertion force | < 100 N |
| Withdrawal force | < 100 N |

Design

| | |
|-------------------------|------------|
| Design line | C-Line |
| Housing color | black |
| Mating face color | black |
| Color handle area | black |
| Actuating element color | silver |
| Color protective cap | black |
| Customer variations | On request |

Material

| | |
|------------------------------|--------------|
| Housing material | Plastic |
| Material handle area | Soft plastic |
| Actuating lever material | Metal |
| Material protective cap | Soft plastic |
| Material mating face | Plastic |
| Material surface of contacts | Ag |

Cable

| | |
|------------------------------|--|
| Cable structure | 3 x 2.5 mm ² + 1 x 0.5 mm ² |
| Wiring standards/regulations | prEN 50620 / DIN EN 50620 |
| Wiring class | Class 5 |
| Wiring certifications | VDE |
| External cable diameter | 10.2 mm ±0.3 mm |
| Type of conductor | straight |
| Cable resistance | ≤ 0.00798 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Outer sheath, material | TPE-U |

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Cable

| | |
|------------------------|------------------------|
| External sheath, color | black |
| Minimum bending radius | 153 mm (15 x diameter) |
| Cable weight | max. 163 kg/km |

Locking

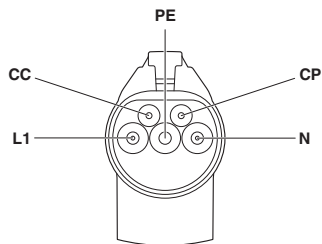
| | |
|--------------|---|
| Locking type | Locking option for actuating lever with 4 mm U-lock |
|--------------|---|

Environmental Product Compliance

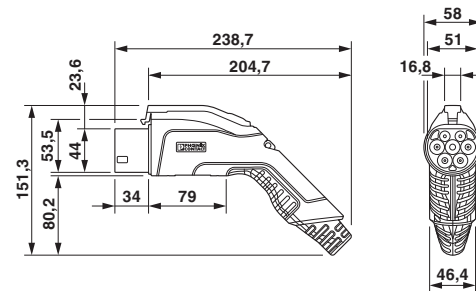
| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 10; |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Connection diagram



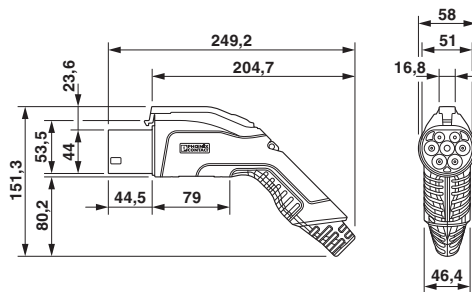
Dimensional drawing



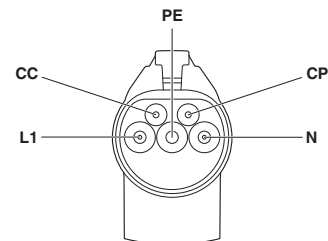
Pin assignment of Infrastructure Plug

Vehicle connector

Dimensional drawing



Schematic diagram

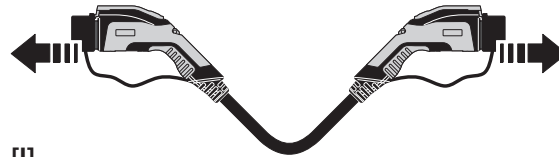


Pin assignment of the Vehicle Connector

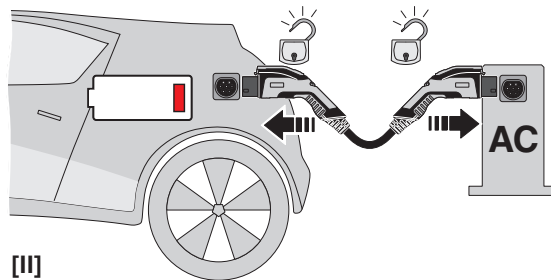
Infrastructure plug

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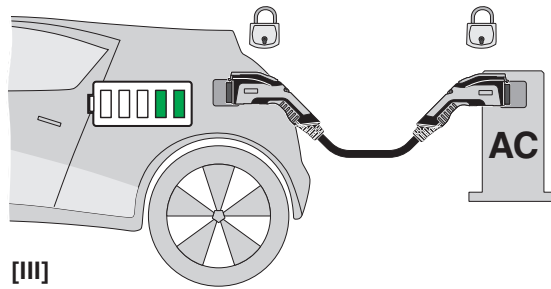
Schematic diagram



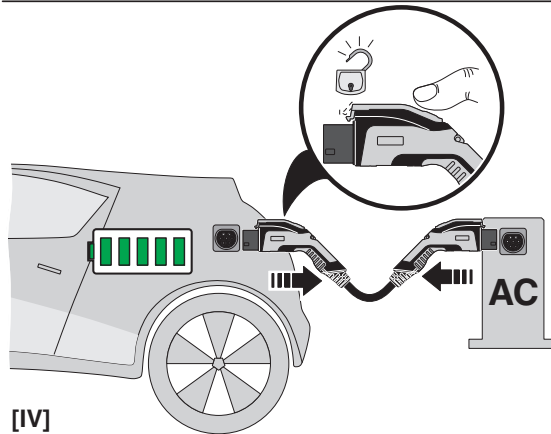
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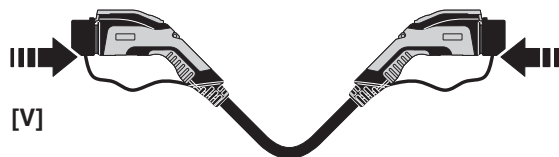
[II]



[III]



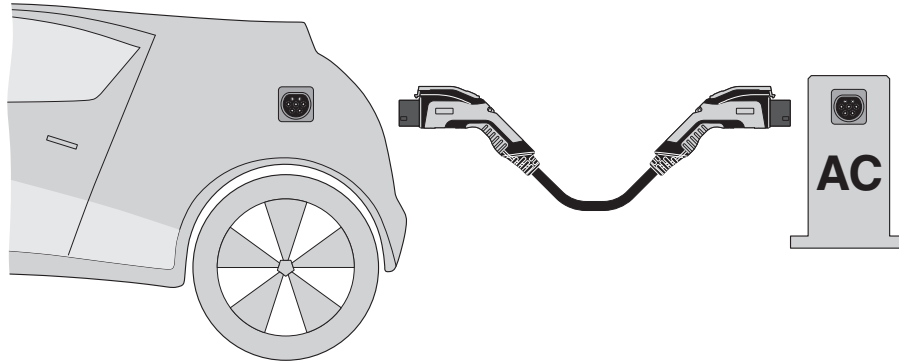
[IV]



[V]

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Schematic diagram



Terminology definition

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27144705 |
| eCl@ss 11.0 | 27144705 |
| eCl@ss 4.0 | 27140800 |
| eCl@ss 4.1 | 27140800 |
| eCl@ss 5.0 | 27143400 |
| eCl@ss 5.1 | 27143400 |
| eCl@ss 6.0 | 27143400 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 9.0 | 27144705 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002061 |
| ETIM 6.0 | EC002897 |
| ETIM 7.0 | EC002897 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |
| UNSPSC 18.0 | 39121522 |
| UNSPSC 19.0 | 39121522 |

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 20.0 | 39121522 |
| UNSPSC 21.0 | 39121522 |