

# EV-GBG3PC-3AC32A-5,0M6,0ESBK01 - AC charging cable



1627606

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CHARX connect, GB/T, Mobile AC charging cable, with vehicle charging connector and infrastructure charging plug, cable: 5 m, black, straight, with protective cap, housing: black, gray, PHOENIX CONTACT logo, GB/T 20234.2-2015, GB/T 18487.1-2015, for charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets

## 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 charging inlet, compatible with GB/T Infrastructure Socket Outlets at charging stations for E-Mobility (EVSE)

## Your advantages

- Complete product range
- Convenient handling due to the ergonomic, triple award-winning design
- Available with your logo on request - for consistent branding of your charging station
- Longitudinal water tightness reliably prevents water ingress
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Tested in accordance with automotive standards LV124, LV214, and LV215-2
- Tested in accordance with EV Ready 37 requirements

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1627606       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | XWBAEF        |
| GTIN                                 | 4055626342870 |
| Weight per piece (including packing) | 3,690 g       |
| Weight per piece (excluding packing) | 3,595 g       |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                   |  |
|-------------------|--|
| Product type      | AC charging cable  |
| Product family    | CHARX connect  |
| Type              | Mobile AC charging cable<br>with vehicle charging connector and infrastructure charging plug |
| Design            | with protective cap  |
| Charging standard | GB/T   |
| Charging mode     | Mode 3, Case B   |
| Affixed logo      | PHOENIX CONTACT logo   |

### Electrical properties

#### Charging power and current (AC charging, 3-phase)

|                          |                   |
|--------------------------|-------------------|
| Type of charging current | AC 3-phase        |
| Charging current         | 32 A AC (3-phase) |
| Charging power           | 26.6 kW (3-phase) |
| Rated voltage            | 480 V             |

### Material specifications

|                        |              |
|------------------------|--------------|
| Color (Housing)        | black (9005) |
| Color (Handle area)    | gray (7042)  |
| Color (Mating face)    | black (9005) |
| Color (Protective cap) | black (9005) |
| Color (Cable)          | black (9005) |

### Cable/line

|                              |   |
|------------------------------|---|
| Cable length                 | 5 m   |
| Wiring standards/regulations | prEN 50620/DIN EN 50620   |
| Wiring certifications        | VDE   |
| Cable weight                 | max. 505.00 kg/km   |
| Cable type                   | Class 5   |
| Cable type                   | straight  |
| Cable structure              | 5 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>                       |
| External cable diameter      | 17.00 mm ±0.4 mm  |
| Outer sheath, material       | TPE-U   |
| Cable resistance             | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Bending radius               | min. 127.5 mm (7.5x diameter)   |
| Cable length                 | 5 m   |
| External cable diameter      | 17.00 mm ±0.4 mm  |
| Cable type                   | Class 5   |
| Wiring certifications        | VDE   |

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|                              |  |
|------------------------------|--|
| Wiring standards/regulations | prEN 50620/DIN EN 50620  |
| Cable resistance             | $\leq 0.0033 \Omega/\text{m}$ (based on a power core, at an ambient temperature of 20°C) |

## Standards and regulations

### Standards

|                       |                   |
|-----------------------|-------------------|
| Standards/regulations | GB/T 20234.2-2015 |
|                       | GB/T 18487.1-2015 |

# EV-GBG3PC-3AC32A-5,0M6,0ESBK01 - AC charging cable

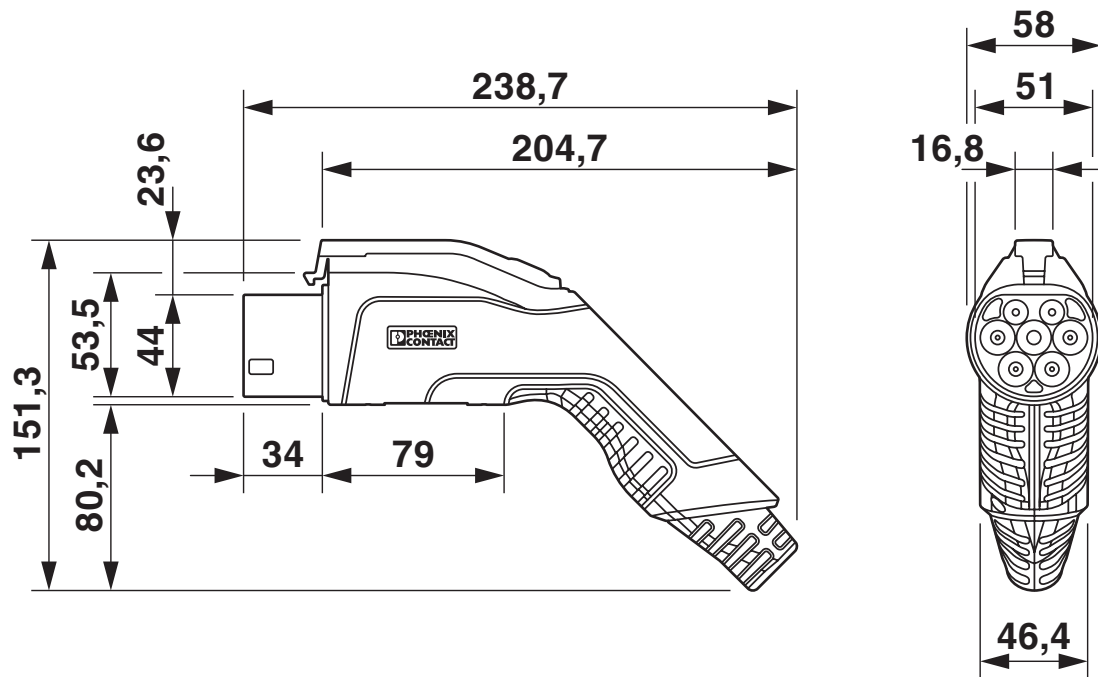


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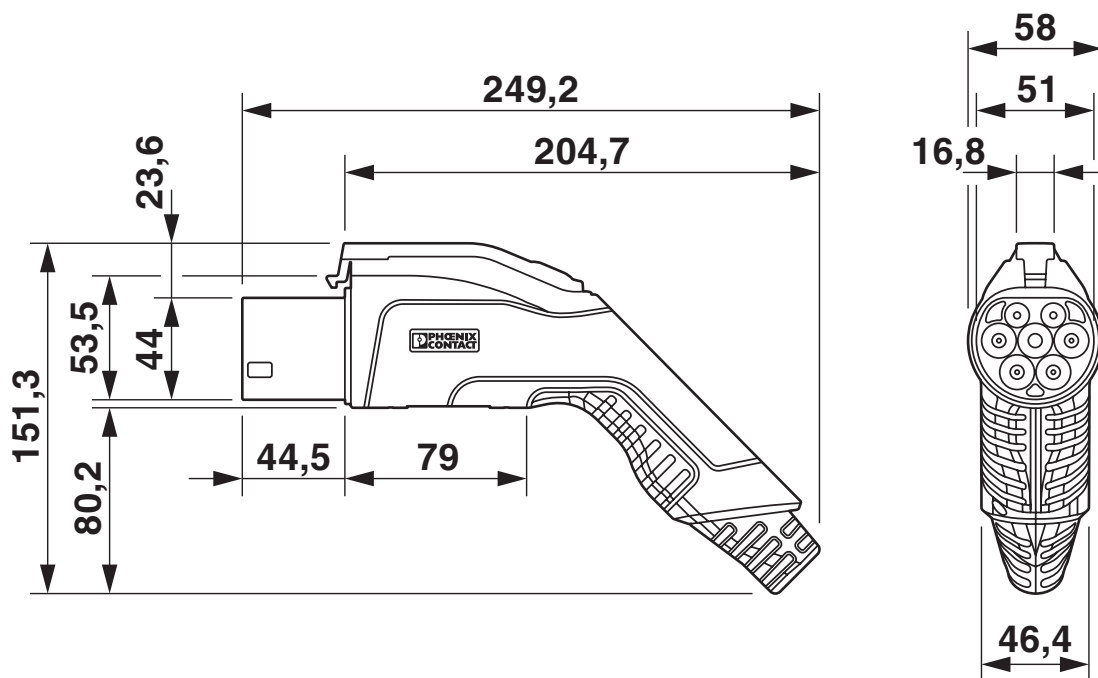
## Drawings

Dimensional drawing



Vehicle connector

Dimensional drawing



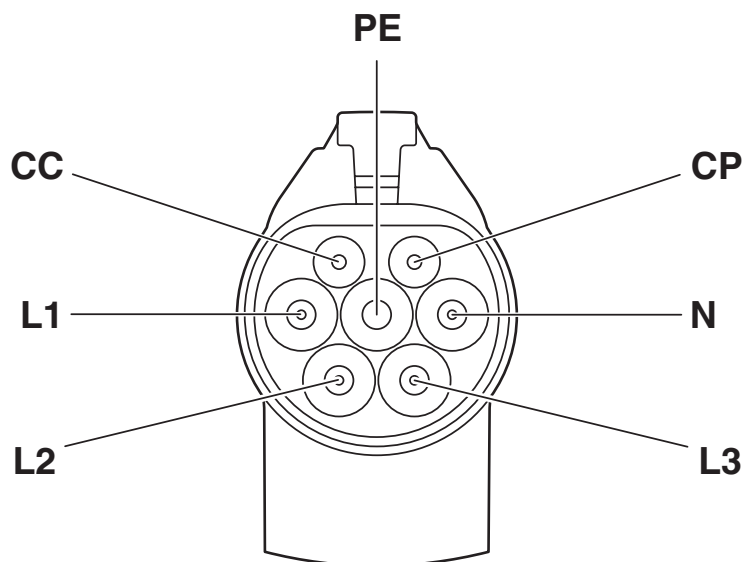
Infrastructure plug

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Connection diagram



Pin assignment of Infrastructure Plug

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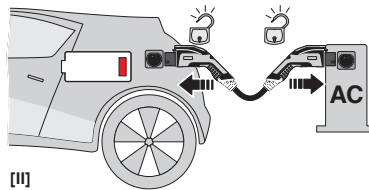
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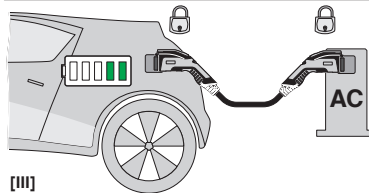
## Schematic diagram



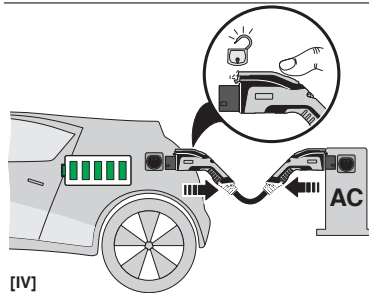
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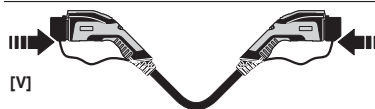
[II]



[III]



[IV]



[V]

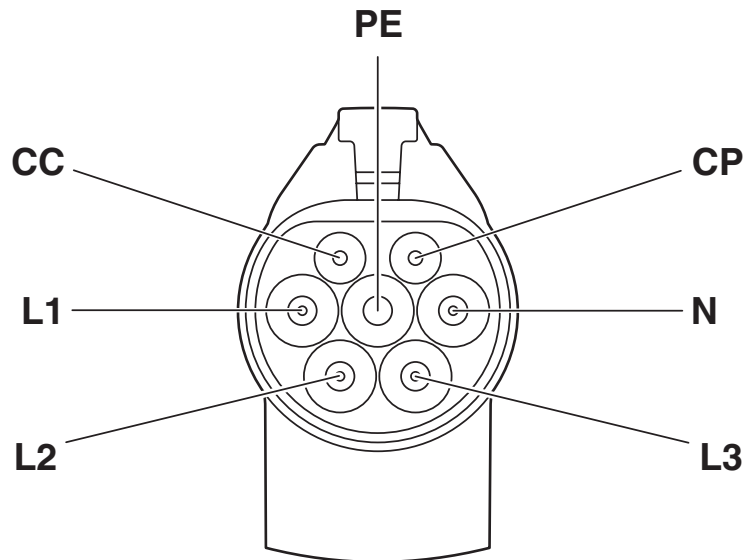
Operating instructions

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Schematic diagram



Pin assignment of the Vehicle Connector

Schematic diagram



Terminology definition

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121500 |
|-------------|----------|

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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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