

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627688

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CHARX connect, Type 2, GB/T, Mobile AC charging cable, with vehicle charging connector and infrastructure charging plug, cable: 5 m, black, straight, with protective cap, with locking option for padlock, housing: black, gray, PHOENIX CONTACT logo, IEC 62196-2, GB/T 20234.2-2015, for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets

Product description

Mobile AC charging cable with vehicle charging connector and infrastructure charging plug for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, compatible with GB/T infrastructure charging sockets 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 | 1627688 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | XWB AEH |
| GTIN | 4055626357454 |
| Weight per piece (including packing) | 2,573 g |
| Weight per piece (excluding packing) | 2,573 g |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-------------------|--|
| Product type | AC charging cable |
| Product family | CHARX connect |
| Application | for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets Compatible with GB/T infrastructure charging sockets at charging stations for electromobility (EVSE) |
| Design | with protective cap with locking option for padlock |
| Charging standard | Type 2 GB/T |
| Charging mode | Mode 3, Case B |
| Affixed logo | PHOENIX CONTACT logo |

Electrical properties

Charging power and current (AC charging (1-phase))

| | |
|--------------------------|-------------------|
| Type of charging current | AC single-phase |
| Charging current | 32 A AC (1-phase) |
| Charging power | 8 kW |
| Rated voltage | 250 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. 305.00 kg/km |
| Cable type | Class 5 |
| Cable type | straight |
| Cable structure | 3 x 6.0 mm ² + 1 x 0.5 mm ² |
| External cable diameter | 12.80 mm ±0.4 mm |
| Outer sheath, material | TPE-U |
| Stripping length of the sheath | 60 mm ±15 mm |
| Stripping length | 60 mm ±15 mm |
| Cable resistance | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |

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| | |
|------------------------------|---|
| Bending radius | min. 96 mm (7.5x diameter) |
| Cable length | 5 m |
| Stripping length | 60 mm ±15 mm |
| External cable diameter | 12.80 mm ±0.4 mm |
| Cable type | Class 5 |
| Wiring certifications | VDE |
| Wiring standards/regulations | prEN 50620/DIN EN 50620 |
| Cable resistance | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |

Standards and regulations

Standards

| | |
|-----------------------|-------------------|
| Standards/regulations | IEC 62196-2 |
| | GB/T 20234.2-2015 |

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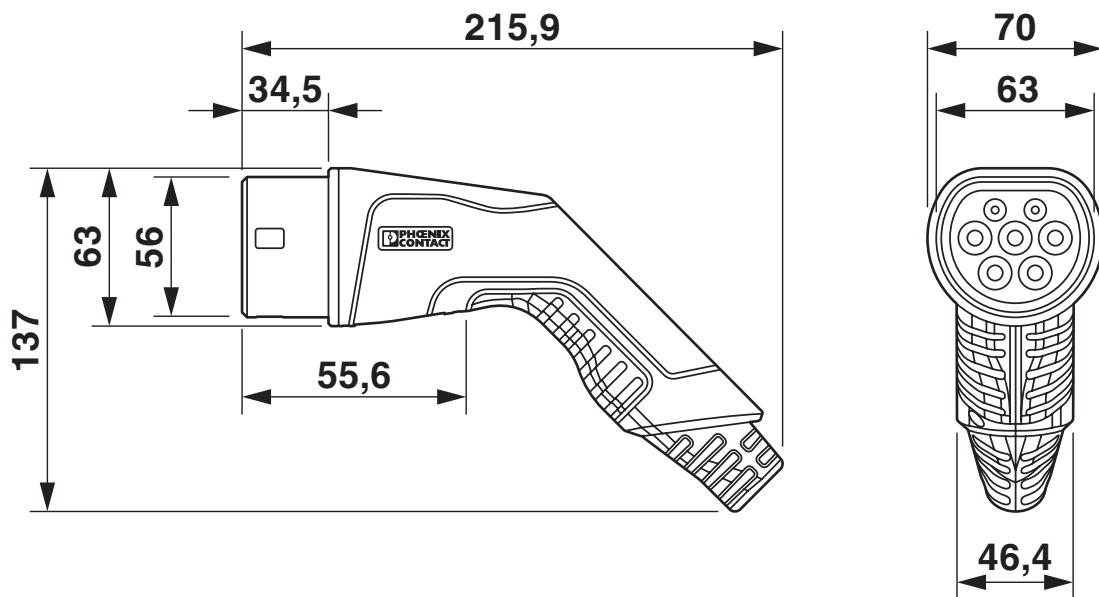


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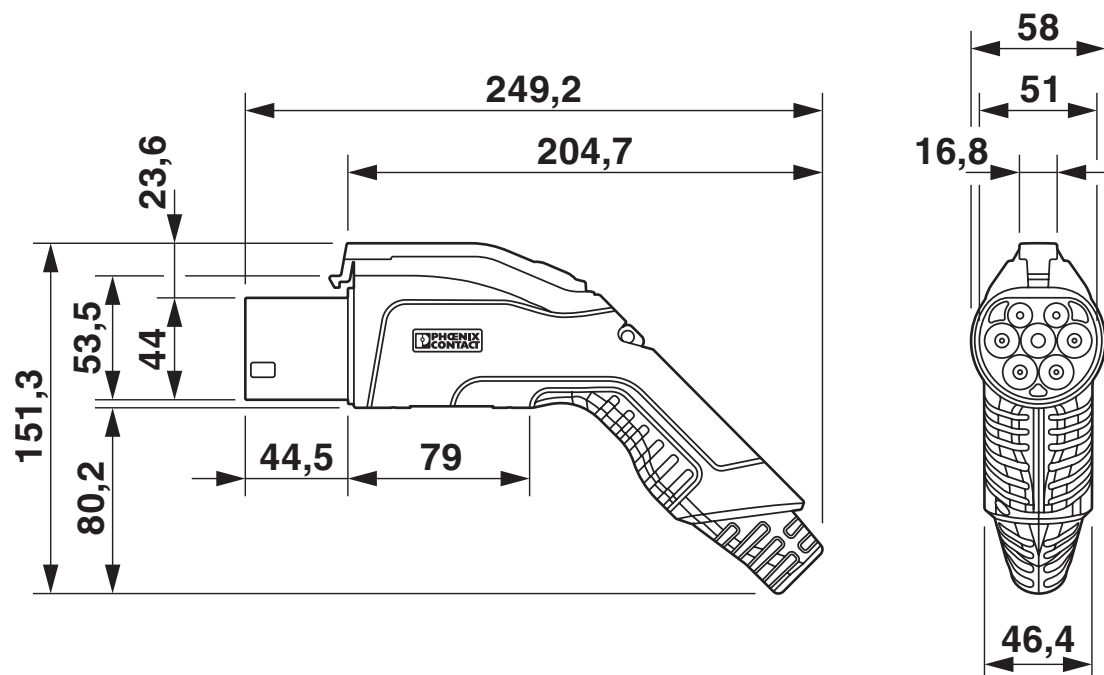
Drawings

Dimensional drawing



Vehicle connector

Dimensional drawing



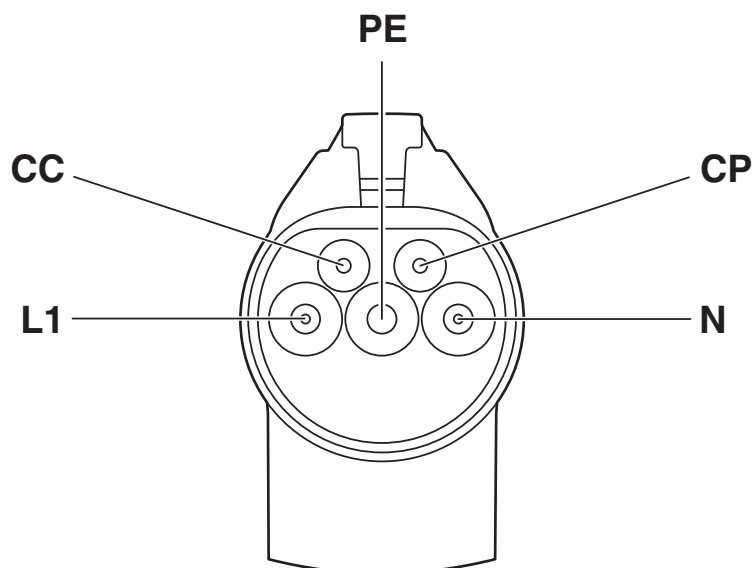
Infrastructure plug

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Connection diagram



Pin assignment of Infrastructure Plug

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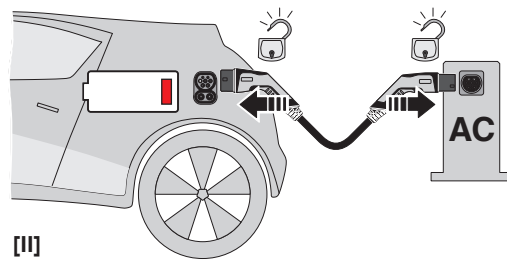
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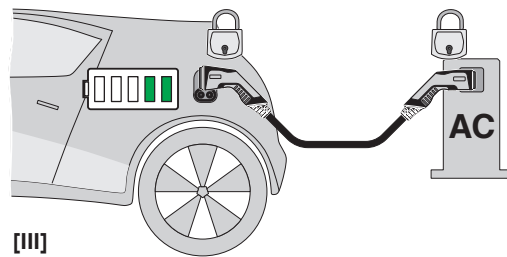
Schematic diagram



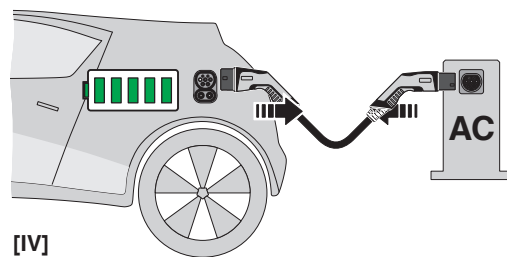
[I]



[II]



[III]



[IV]



[V]

Operating instructions

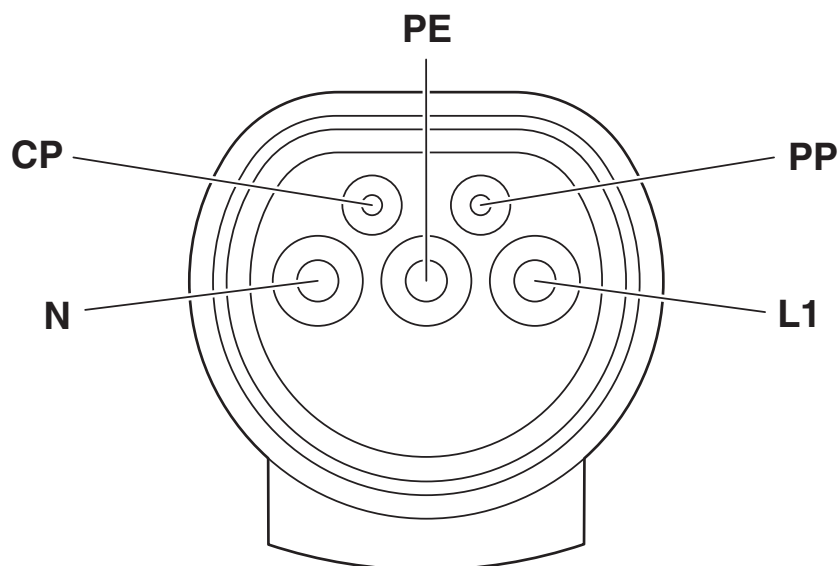
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Schematic diagram



Pin assignment of the Vehicle Connector

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC002897 |
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UNSPSC

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

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Environmental product compliance

| | |
|--|---|
| China RoHS | |
| Environment friendly use period (EFUP) | <div>EFUP-10</div> <div>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.</div> |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com