

AC charging cable - EV-T2G3PC-3AC32A-4,0M6,0ESBK01 - 1623509

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CHARX connect, Mobile AC charging cable with vehicle charging connector and infrastructure charging plug, with protective caps, Housing color black-gray, for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE), Type 2, IEC 62196-2, 32 A / 480 V (AC), C-Line, "PHOENIX CONTACT" logo, cable: 4 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 type 2 Vehicle Inlets, compatible with type 2 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
- ✓ Material data available in the IMDS (International Material Data System of the automotive industry)
- ✓ 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
- ✓ Tested in accordance with EV Ready 37 requirements
- ✓ Consistent longitudinal water tightness prevents water ingress in the cable

RoHS

Key Commercial Data

| | |
|----------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 055626 177908 |
| GTIN | 4055626177908 |
| Custom tariff number | 85444290 |
| Country of origin | Poland |

Technical data

Product definition

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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-gray |
| Application | for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets |
| | compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE) |
| Affixed logo | "PHOENIX CONTACT" logo |
| Design | C-Line |
| Standards/regulations | IEC 62196-2 |
| Charging standard | Type 2 |
| Charging mode | Mode 3, Case B |

Dimensions

| | |
|------------------|---|
| Height | 137 mm (Vehicle charging connector) |
| | 131.8 mm (Infrastructure charging plug) |
| Width | 70 mm (Vehicle charging connector) |
| | 58 mm (Infrastructure charging plug) |
| Depth | 215.9 mm (Vehicle charging connector) |
| | 233.4 mm (Infrastructure charging plug) |
| Conductor length | 4 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 | IP44 (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 | 26.6 kW |
| Number of phases | 3 |
| Number of power contacts | 5 (L1, L2, L3, N, PE) |
| Rated current of power contacts | 32 A |
| Rated voltage for power contacts | 480 V AC |
| Number of signal contacts | 2 (CP, PP) |
| Rated current for signal contacts | 2 A |

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Technical data

Electrical properties

| | |
|-----------------------------------|--|
| 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 | 220 Ω (between PE and PP) |

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 | gray |
| Color protective cap | black |
| Customer variations | On request |

Material

| | |
|------------------------------|--------------|
| Housing material | Plastic |
| Material handle area | Soft plastic |
| Material protective cap | Soft plastic |
| Material mating face | Plastic |
| Flammability rating | V0 |
| Material surface of contacts | Ag |

Cable

| | |
|------------------------------|--|
| Cable structure | 5 x 6.0 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 | 17 mm \pm 0.4 mm |
| Type of conductor | straight |
| Cable resistance | \leq 0.0033 Ω /m (based on a power core, at an ambient temperature of 20°C) |
| Outer sheath, material | TPE-U |
| External sheath, color | black |
| Minimum bending radius | 127.5 mm (7.5 x diameter) |
| Cable weight | max. 505 kg/km |

Environmental Product Compliance

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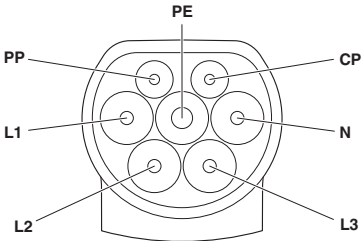
Technical data

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" |

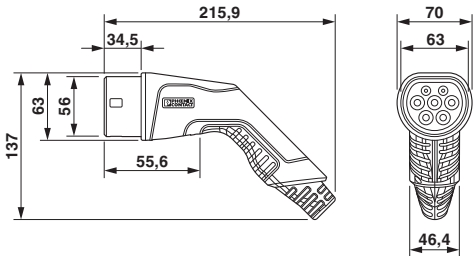
Drawings

Connection diagram



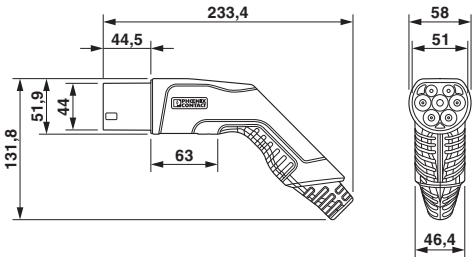
Pin assignment of Infrastructure Plug

Dimensional drawing



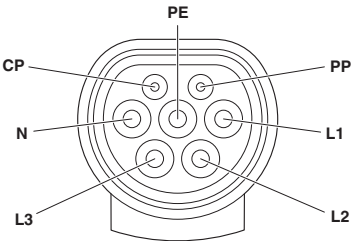
Vehicle connector

Dimensional drawing



Infrastructure plug

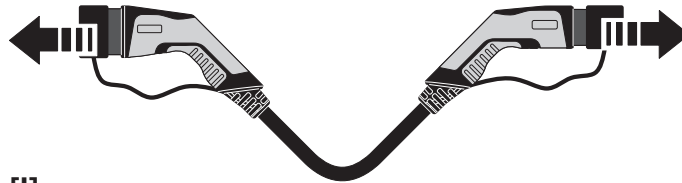
Schematic diagram



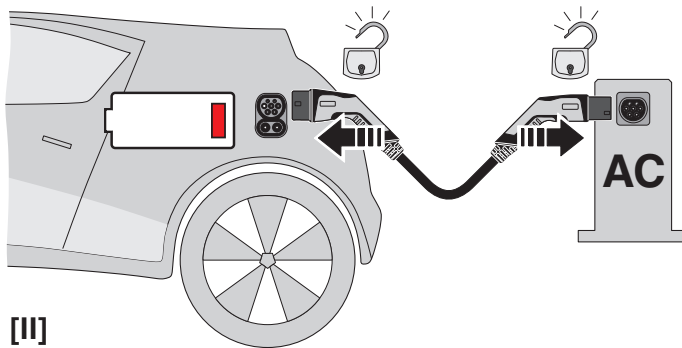
Pin assignment of the Vehicle Connector

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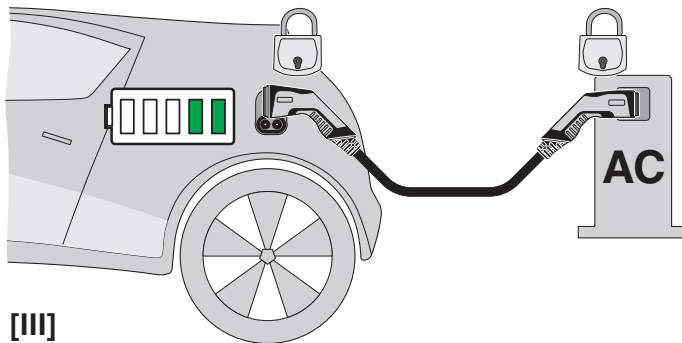
Schematic diagram



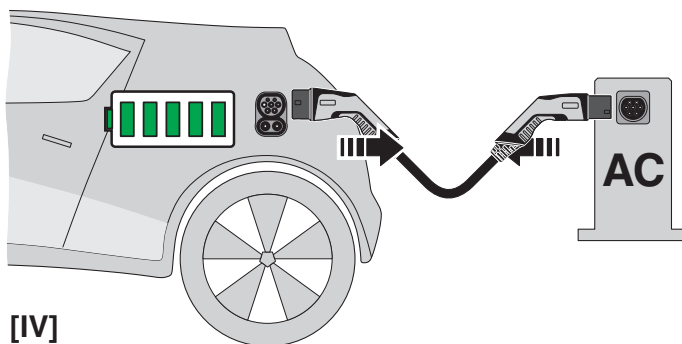
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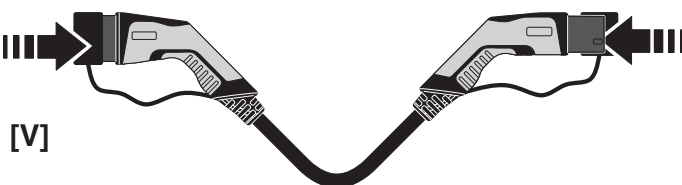
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[III]



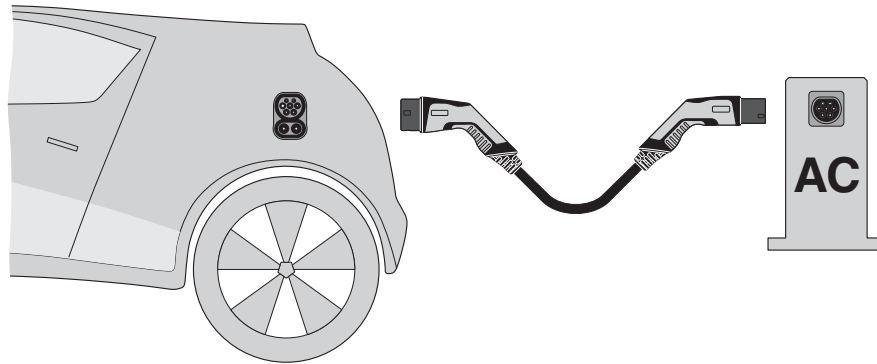
[IV]



[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 8.0 | 27449001 |
| eCl@ss 9.0 | 27144705 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC002839 |
| 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 |

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 18.0 | 39121522 |
| UNSPSC 19.0 | 39121522 |
| UNSPSC 20.0 | 39121522 |
| UNSPSC 21.0 | 39121522 |

Approvals


Approvals


Approvals

IECEE CB Scheme / VDE Zeichengenehmigung

Ex Approvals

Approval details

| | | | |
|--------------------|---|---|-----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-62390 |
| Nominal voltage UN | 480 V | | |
| Nominal current IN | 32 A | | |

| | | | |
|------------------------|---|---|----------|
| VDE Zeichengenehmigung |  | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40045394 |
| Nominal voltage UN | 480 V | | |
| Nominal current IN | 32 A | | |

Accessories

Accessories

Charging connector holder

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Accessories

Charging connector holder - EV-T2AC-PARK - 1624148



CHARX connect, Charging connector holder, for vehicle charging connectors on charging stations (EVSE), Type 2, IEC 62196-2, Front mounting

Infrastructure socket outlet

Socket Outlet - EV-T2M3SE12-3AC32A-0,7M6,0E10 - 1405214



CHARX connect, Socket Outlet, rear protective cover screw connection, For charging electric vehicles (EV) with alternating current (AC), Compatible with infrastructure charging plugs, Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, Locking actuator: 12 V, 4-position, Rear panel mounting, Generation 1, "PHOENIX CONTACT" logo

Socket Outlet - EV-T2M3SE24-3AC32A-0,7M6,0E10 - 1405216



CHARX connect, Socket Outlet, rear protective cover screw connection, For charging electric vehicles (EV) with alternating current (AC), Compatible with infrastructure charging plugs, Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, Locking actuator: 24 V, 4-position, Rear panel mounting, Generation 1, "PHOENIX CONTACT" logo