

AC charging cable - EV-T1G2K-1AC32A-6,5M10ASBK01 - 1628420

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CHARX connect, AC charging cable with vehicle charging connector and open cable end, with protective cap, with locking option for padlock, Housing color black-gray, for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets, for installation at charging stations for electromobility (EVSE), Type 1, SAE J1772, IEC 62196-2, 32 A / 250 V (AC), C-Line, "PHOENIX CONTACT" logo, cable: 6.5 m, black, straight, NOTE: Cable management may be required.

Product Description


AC charging cable with Vehicle Connector and open cable end for charging electric vehicles (EV) with alternating current (AC) via type 1 Vehicle 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
- ✔ 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 0 5 5 6 2 6 4 4 6 5 7 8 |
| GTIN | 4055626446578 |

Technical data

Product definition

| | |
|------|--|
| Type | AC charging cable |
| | with vehicle charging connector and open cable end |
| | with protective cap |
| | with locking option for padlock |
| | Housing color black-gray |

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Technical data

Product definition

| | |
|-------------------------------------|---|
| Application | for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets |
| | for installation at charging stations for electromobility (EVSE) |
| Affixed logo | "PHOENIX CONTACT" logo |
| Design | C-Line |
| Standards/regulations | SAE J1772 |
| | IEC 62196-2 |
| Charging standard | Type 1 |
| Charging mode | Level 2 |
| Normative cable length restrictions | NOTE: Cable management may be required. |
| | Cable management is required in certain regions if the cable length exceeds 5.0 m (Switzerland) or 7.5 m (USA) (IEC 61851-1). |

Dimensions

| | |
|------------------|---------------------------------------|
| Height | 151.1 mm (Vehicle charging connector) |
| Width | 58 mm (Vehicle charging connector) |
| Depth | 236.1 mm (Vehicle charging connector) |
| Conductor length | 6.5 m |
| Stripping length | 70 mm ±5 mm |

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 | 3R (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) |

Electrical properties

| | |
|-----------------------------------|--|
| Maximum charging power | 8 kW |
| Number of phases | 1 |
| Number of power contacts | 3 (L1, N, PE) |
| Rated current of power contacts | 32 A |
| Rated voltage for power contacts | 250 V AC |
| Number of signal contacts | 2 (CP, CS) |
| 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 | 480 Ω (Lever actuated) |
| | 150 Ω (Lever not actuated) |

Mechanical properties

| | |
|-----------------------------|---------|
| Insertion/withdrawal cycles | > 10000 |
|-----------------------------|---------|

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Mechanical properties

| | |
|------------------|--------|
| Insertion force | < 75 N |
| Withdrawal force | < 75 N |

Design

| | |
|-------------------------|------------|
| Design line | C-Line |
| Housing color | black |
| Mating face color | black |
| Color handle area | gray |
| 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 |
| Flammability rating | V0 |
| Material surface of contacts | Ag |

Cable

| | |
|------------------------------|--|
| Cable structure | 3 x 10 AWG + 1 x 18 AWG |
| Wiring standards/regulations | UL 62 |
| | FFSO7.E343212 |
| External cable diameter | 17 mm ±0.4 mm |
| Type of conductor | straight |
| Cable resistance | ≤ 0.00351 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Outer sheath, material | TPE |
| External sheath, color | black |
| Minimum bending radius | 255 mm (15 x diameter) |
| Cable weight | max. 385 kg/km |

Locking

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

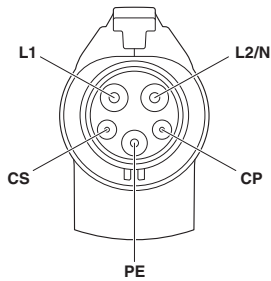
Environmental Product Compliance

| | |
|------------|---|
| 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" |

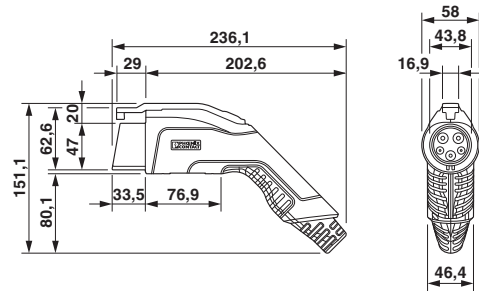
Drawings

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Connection diagram



Dimensional drawing

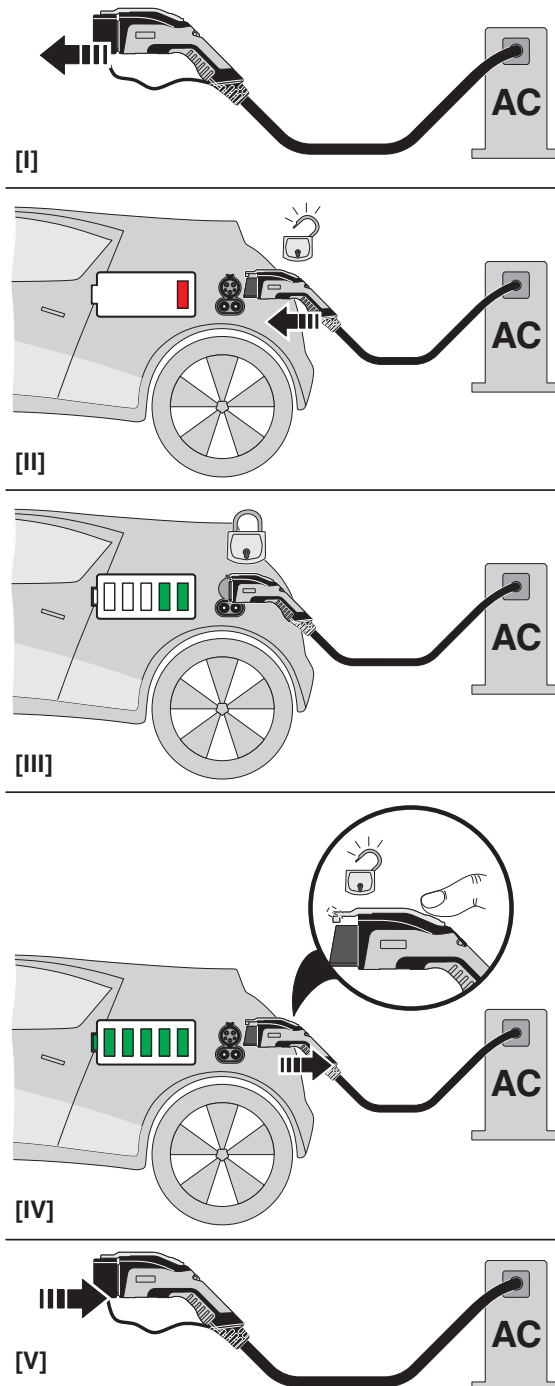


Pin assignment of the Vehicle Connector

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.

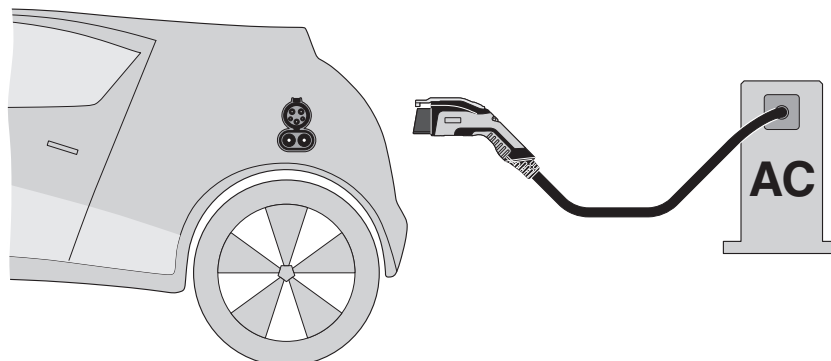
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Schematic diagram



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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 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27059290 |
| eCl@ss 6.0 | 27279220 |
| eCl@ss 7.0 | 27440103 |
| eCl@ss 9.0 | 27144705 |

ETIM

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

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Accessories

Accessories

Charging connector holder

Charging connector holder - EV-T1AC-PARK - 1624139



CHARX connect, Charging connector holder, for vehicle charging connectors on charging stations (EVSE), Type 1, SAE J1772, Front mounting

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