# EV-TAG3PC-1AC32A-4,0M6,0EHBK01 - AC charging cable

1628026

https://www.phoenixcontact.com/us/products/1628026

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



CHARX connect comfort, Type 1, Type 2, Mobile AC charging cable, 32 A permanent, 250 V AC, with vehicle charging connector and infrastructure charging plug, cable: 4 m, black, spiraled, with protective cap, housing: black, gray, PHOENIX CONTACT logo, IEC 62196-2, SAE J1772, for charging electric vehicles (EV) with alternating current (AC) via type 1 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 1 vehicle charging inlets, compatible with type 2 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
- Laser-marked mating face in accordance with DIN EN 17186

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 1628026 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | EM01 |
| Product key | XWBEAB |

# EV-TAG3PC-1AC32A-4,0M6,0EHBK01 - AC charging cable

1628026

https://www.phoenixcontact.com/us/products/1628026

| | |
|---|---|
| GTIN | 4055626377384 |
| Weight per piece (including packing) | 3,035 g |
| Weight per piece (excluding packing) | 2,881.71 g |
| Customs tariff number | 85444290 |
| Country of origin | PL |

## Technical data

### Product properties

| | |
|---|---|
| Product type | AC charging cable |
| Product family | CHARX connect comfort |
| Type | Mobile AC charging cable |
| | with vehicle charging connector and infrastructure charging plug |
| Design | with protective cap |
| Charging standard | Type 1 |
| | Type 2 |
| Charging mode | Mode 3, Case B |
| Affixed logo | PHOENIX CONTACT logo |
| Customer variations | On request |

### 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 (1-phase) |
| Charging power rating | 7.4 kW (1-phase, 6.0 mm²) |
| Operating voltage | typ. 240 V |

Pin assignment (Power contacts)

| | |
|---|---|
| Note on the connection method | Crimp connection, cannot be disconnected |
| Number | 3 (L1, N, PE) |
| Rated voltage | 250 V AC |
| Rated current | 32 A |

Pin assignment (Signal contacts)

| | |
|---|---|
| Note on the connection method | Crimp connection, cannot be disconnected |
| Type of signal transmission | Pulse width modulation |
| Number | 2 (CP, CS) |
| Rated voltage | 30 V AC |
| Rated current | 2 A |
| Coding | 480 Ω (Lever actuated) |
| | 150 Ω (Lever not actuated) |

### Dimensions

Vehicle charging connector

| | |
|---|---|
| Width | 58 mm |
| Height | 151.1 mm |
| Depth | 236.1 mm |

## Material specifications

| | |
|---|---|
| Color (Housing) | black (9005) |
| Color (Handle area) | black (9005) |
| Color (Actuating element) | silver gray (7001) |
| Color (Mating face) | black (9005) |
| Color (Protective cap) | black (9005) |
| Color (Cable) | black (9005) |
| Material (Vehicle charging connector) | Plastic |
| Material (Cable outer sheath) | TPE-U |
| Material (Contact surface) | Silver |
| Note | The color appearance and gloss level of the charging cable may vary. |

## Cable/line

| | |
|---|---|
| Cable length | 4 m |
| Wiring standards/regulations | prEN 50620/DIN EN 50620 |
| Wiring certifications | VDE |
| Cable type | Class 5 |
| Cable type | spiraled |
| Cable structure | 3 x 6.0 mm² + 1 x 0.5 mm² |
| External cable diameter | 12.80 mm ±0.4 mm |
| Outer sheath, material | TPE-U |
| Block length | 0.63 m ±10 % |
| Coil diameter | 60 mm ±10 % |
| Effective length | max. 4 m ±5 % |
| Cable resistance | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Bending radius | min. 76.8 mm (6x diameter) |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | > 10000 |
| Insertion force | < 75 N |
| Withdrawal force | < 75 N |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection (Vehicle charging inlet) | 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) |
| Degree of protection (Infrastructure charging plug) | 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) |

| | |
|---|---|
| Degree of protection (Protective cap) | IP54 |
| Ambient temperature (operation) | -30 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
| Altitude | 5000 m (above sea level) |

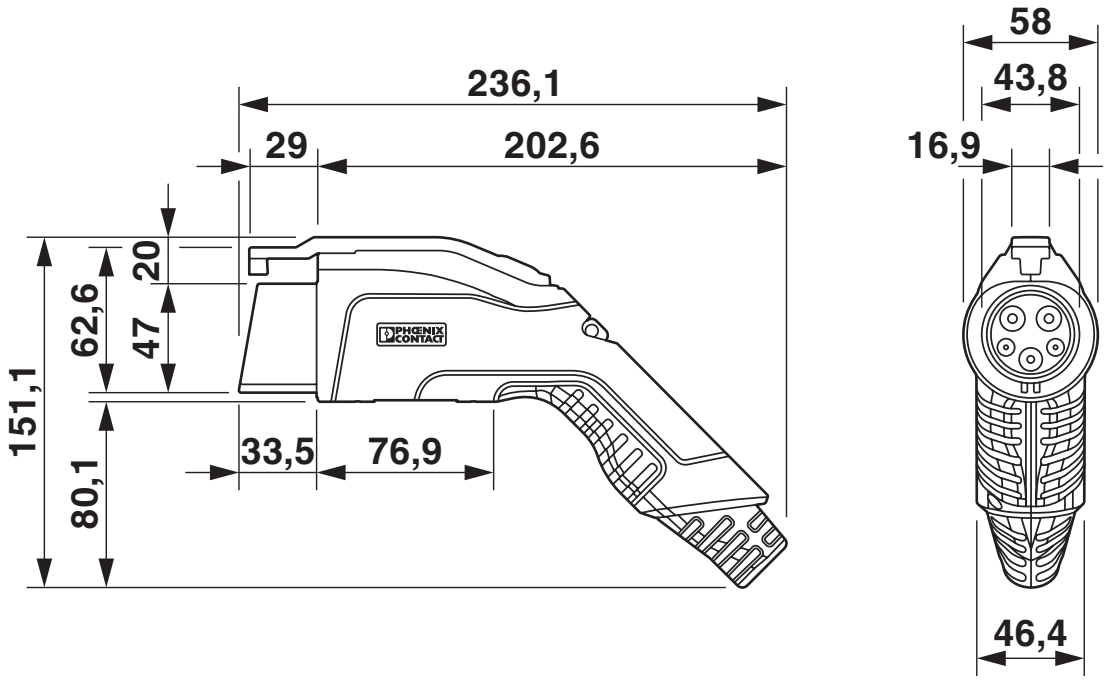
## Standards and regulations

Standards

| | |
|---|---|
| Standards/regulations | IEC 62196-2 |
| | SAE J1772 |

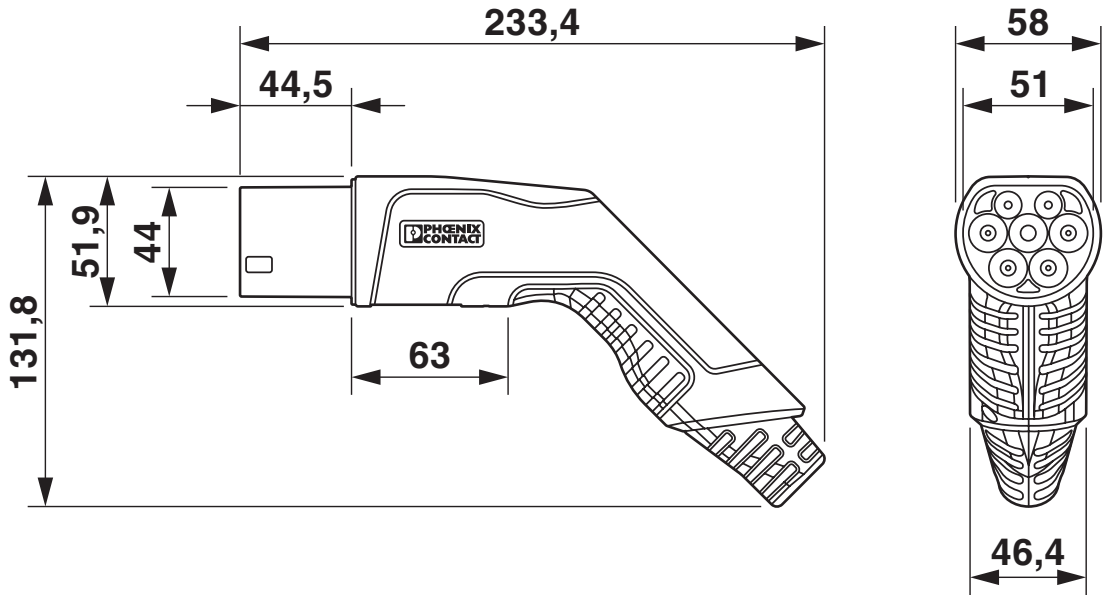
## Drawings

Dimensional drawing



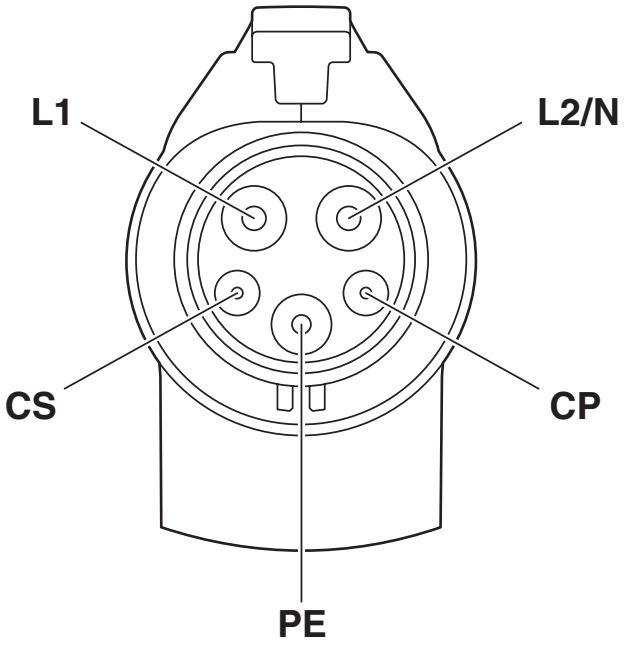

Vehicle connector

Dimensional drawing



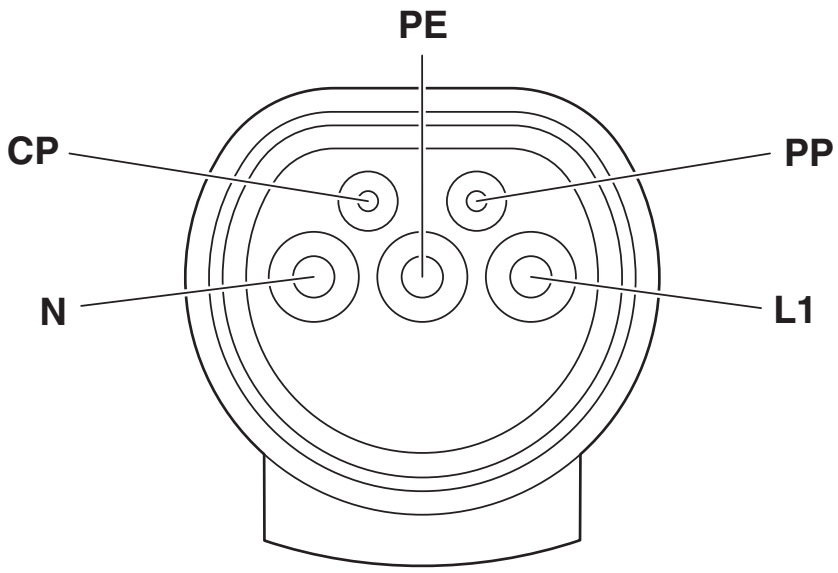

Infrastructure plug

Connection diagram



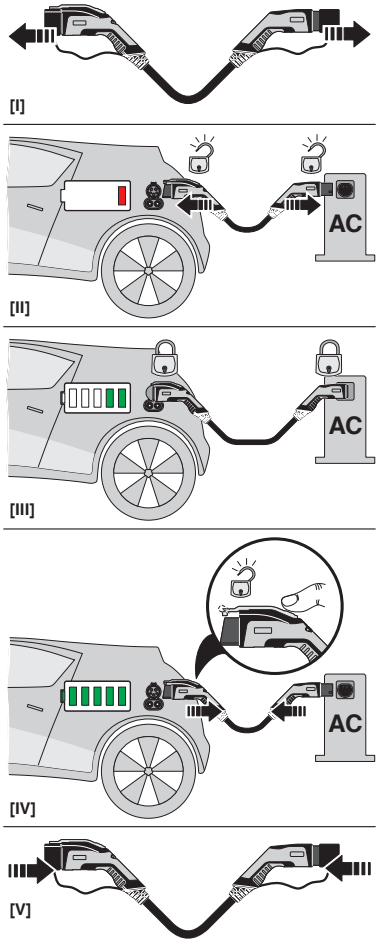

Pin assignment of the Vehicle Connector

Schematic diagram



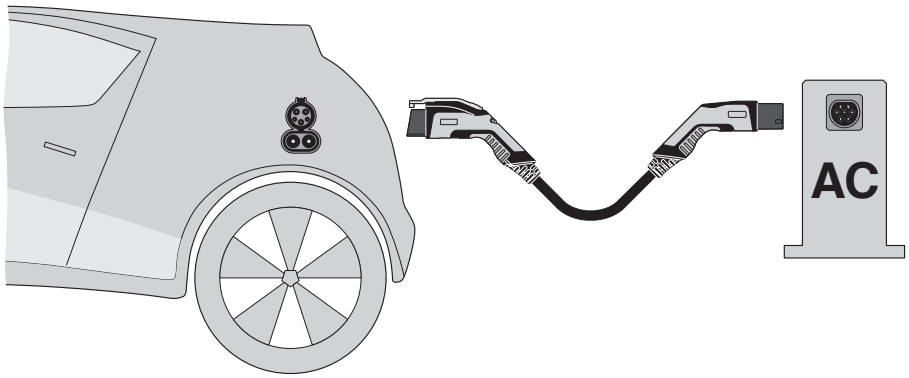

Type 2 infrastructure plug pin assignment

Schematic diagram




Operating instructions

Schematic diagram




Terminology definition

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27144705 |
| ECLASS-15.0 | 27144705 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002897 |

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | 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.) | Lead(CAS: 7439-92-1) |
| SCIP | f670cc57-ba69-4c1e-b142-3190fc712704 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 44.13 kg CO2e |


Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com



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