

## AC charging cable - EV-TAG3PK-1AC32A-5,0M6,0ESBK01 - 1628023

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Mobile AC charging cable with Vehicle Connector and Infrastructure Plug, with locking option for U-lock, with protective caps, Type 1, Type 2, IEC 62196-2, SAE J1772, 32 A / 250 V (AC), Design line C-Line, Cable: 5 m, black, straight, Mating face: black, Handle area: gray

### Product Description

Mobile AC charging cable with Vehicle Connector and Infrastructure Plug for charging electric vehicles (EV) with alternating current (AC), via type 1 Vehicle Inlets, compatible with type 2 Infrastructure Socket Outlets at charging stations for E-Mobility (EVSE)

RoHS

### Key Commercial Data

|                      |   |
|----------------------|---|
| Packing unit         | 1   |
| GTIN                 | <br>4 055626 377353 |
| GTIN                 | 4055626377353   |
| Custom tariff number | 85444290  |

### Technical data

#### Product definition

|                          |   |
|--------------------------|---|
| Product type             | Mobile AC charging cable with Vehicle Connector and Infrastructure Plug, with locking option for U-lock, with protective caps |
| Type                     | C-Line black / gray   |
| Standards/regulations    | IEC 62196-2   |
|                          | SAE J1772   |
| Charging standard        | Type 1  |
|                          | Type 2  |
| Charging mode            | Mode 3, Case B  |
| Type of charging current | AC single-phase   |

#### Dimensions

# AC charging cable - EV-TAG3PK-1AC32A-5,0M6,0ESBK01 - 1628023

## Technical data

### Dimensions

|                            |           |
|----------------------------|-----------|
| Vehicle connector width    | 58.00 mm  |
| Vehicle connector height   | 151.10 mm |
| Vehicle connector depth    | 236.10 mm |
| Infrastructure plug width  | 58.00 mm  |
| Infrastructure plug height | 131.80 mm |
| Infrastructure plug depth  | 233.40 mm |
| Conductor length           | 5 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)        |
|   | IP54 (Protective cap)    |

### 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     |
| Resistor coding                   | 480 Ω (Lever actuated)     |
|                                   | 150 Ω (Lever not actuated) |

### Mechanical properties

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

### Design

|                             |        |
|-----------------------------|--------|
| Design line                 | C-Line |
| Housing color               | black  |
| Pin connector pattern color | black  |
| Color handle area           | gray   |
| Actuating element color     | silver |

AC charging cable - EV-TAG3PK-1AC32A-5,0M6,0ESBK01 - 1628023

Technical data

Design

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

Material

|                              |              |
|------------------------------|--------------|
| Housing material             | Plastic      |
| Material connection profile  | Plastic      |
| Material handle area         | Soft plastic |
| Actuating lever material     | Metal        |
| Material protective cap      | Soft plastic |
| Material surface of contacts | Ag           |

Cable

|                         |   |
|-------------------------|---|
| Cable structure         | 3 x 6.0 mm² + 1 x 0.5 mm² (prEN 50620, VDE Reg. 8789 class 5) |
| External cable diameter | 12.8 mm ±0.4 mm   |
| Type of conductor       | straight  |
| Outer sheath, material  | TPE-U   |
| External sheath, color  | black   |
| Minimum bending radius  | 192 mm (15 x diameter)  |

Locking

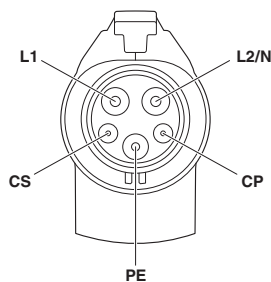
|              |   |
|--------------|---|
| Locking type | Locking option for actuating lever with 4 mm U-lock |
|--------------|---|

Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 10;   |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

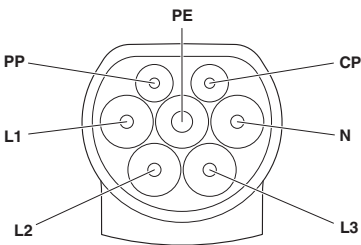
Drawings

Connection diagram



Pin assignment of the Vehicle Connector

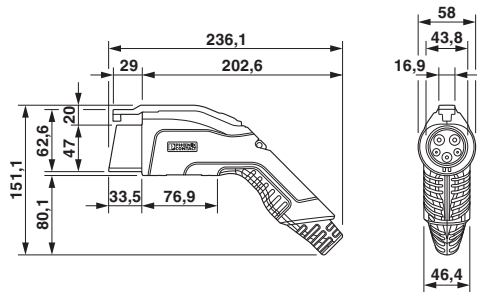
Connection diagram



Pin assignment of Infrastructure Plug

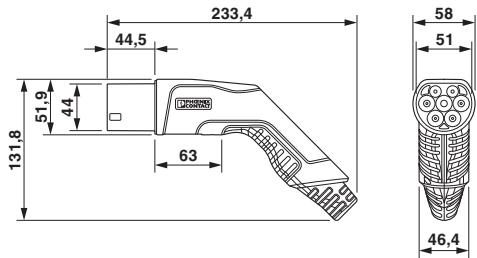
AC charging cable - EV-TAG3PK-1AC32A-5,0M6,0ESBK01 - 1628023

Dimensional drawing



Dimensional drawing of Vehicle Connector

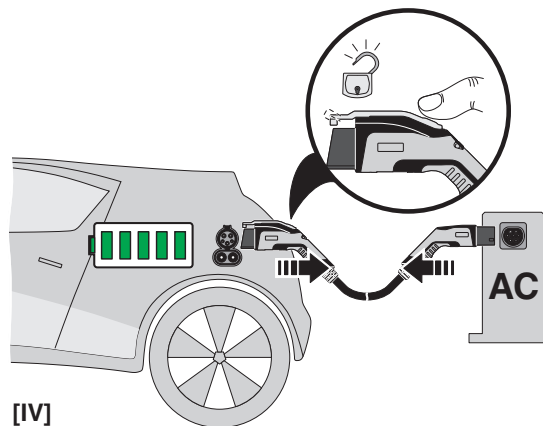
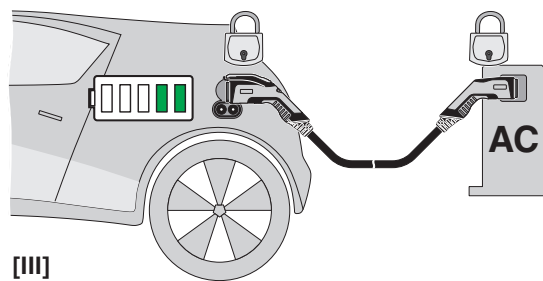
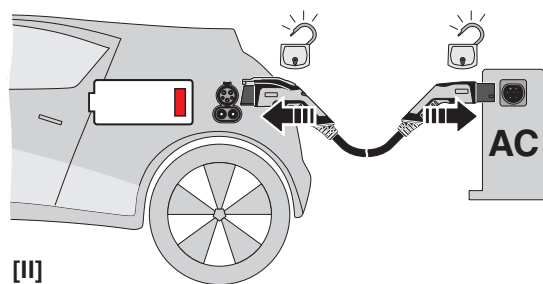
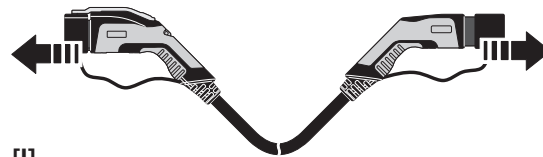
Dimensional drawing



Dimensional drawing of the Infrastructure Plug

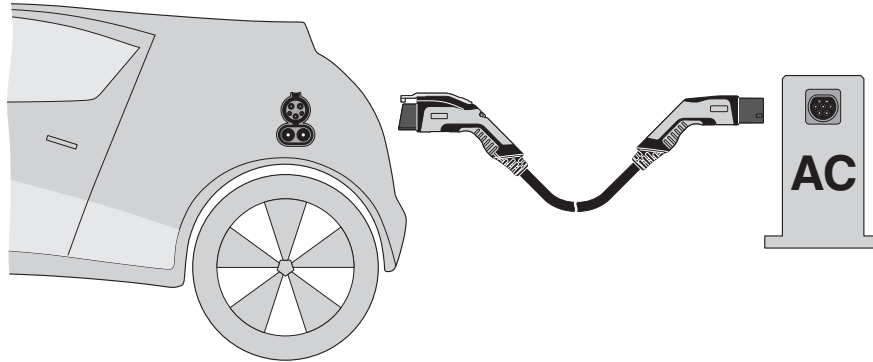
## AC charging cable - EV-TAG3PK-1AC32A-5,0M6,0ESBK01 - 1628023

Schematic diagram



## AC charging cable - EV-TAG3PK-1AC32A-5,0M6,0ESBK01 - 1628023

Schematic diagram



### Terminology definition

### Classifications

#### eCl@ss

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

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC002839 |
| ETIM 6.0 | EC002839 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121522 |

### Approvals

#### Approvals

# AC charging cable - EV-TAG3PK-1AC32A-5,0M6,0ESBK01 - 1628023


## Approvals

Approvals

VDE approval of drawings

Ex Approvals

## Approval details

|                                |   |   |          |
|--------------------------------|---|---|----------|
| VDE approval of drawings       |  | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a> | 40045426 |
| Nominal current I <sub>N</sub> |   | 32 A  |          |
| Nominal voltage U <sub>N</sub> |   | 250 V   |          |

## Accessories

### Accessories

#### Infrastructure socket outlet

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



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, Type 2, IEC 62196-2, 32 A / 480 V (AC), 12 V Locking actuator, Single wires, Length: 0.7 m, Screw connection of a hinged cover: Only rear mounting possible

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



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, Type 2, IEC 62196-2, 32 A / 480 V (AC), 24 V Locking actuator, Single wires, Length: 0.7 m, Screw connection of a hinged cover: Only rear mounting possible

## Park position

## AC charging cable - EV-TAG3PK-1AC32A-5,0M6,0ESBK01 - 1628023

### Accessories

Holder - EV-T1AC-PARK - 1624139



Retainer for Vehicle Connector as parking position at charging stations (EVSE), Type 1, SAE J1772

---

Phoenix Contact 2017 © - all rights reserved  
<http://www.phoenixcontact.com>