

AC charging cable - EV- T2M3PC-3AC32A-12M6,0ESBK00 - 1622092

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://download.phoenixcontact.com>)



Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, Type 2, IEC 62196-2, 32 A / 480 V (AC), Design line D-Line, Cable: 12 m, black, straight, NOTE: The capacitance between CP and PE exceeds the normative guideline value of 1500 pF., Mating face: gray, Handle area: gray

Article 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

- Uniform design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- Silver-plated surface of the power and signal contacts
- Production in accordance with ISO TS 16949
- Material data available in the IMDS (International Material Data System of the automotive industry)
- Ergonomic handle

Key commercial data

| | |
|-------------------------|---------------|
| package_quantity | 1 |
| GTIN | 4055626009971 |

Technical data

Product definition

| | |
|---------------------------------|--|
| Product type | Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap |
| Type | D-Line |
| Standards/regulations | IEC 62196-2 |
| Charging standard | Type 2 |
| Charging mode | Mode 3, Case B |
| Type of charging current | AC 3-phase |
| Note | NOTE: The capacitance between CP and PE exceeds the normative guideline value of 1500 pF. |

Dimensions

| | |
|----------------------------------|-----------|
| Vehicle connector width | 60.00 mm |
| Vehicle connector height | 102.90 mm |
| Vehicle connector depth | 229.60 mm |
| Infrastructure plug width | 60.00 mm |

AC charging cable - EV- T2M3PC-3AC32A-12M6,0ESBK00 - 1622092

Technical data

Dimensions

| | |
|----------------------------|-----------|
| Infrastructure plug height | 102.90 mm |
| Infrastructure plug depth | 229.60 mm |
| Conductor length | 12 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) |
| Degree of protection | IP44 (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 |
| Rated voltage for signal contacts | 30 V AC |
| Type of signal transmission | Pulse width modulation |
| 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 | D-Line |
| Housing color | black |
| Pin connector pattern color | gray |
| Color handle area | gray |
| Color protective cap | black |
| Label | 14.1 mm x 44.8 mm (customer logo on request) |

Material

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

AC charging cable - EV- T2M3PC-3AC32A-12M6,0ESBK00 - 1622092

Technical data

Cable

| | |
|--------------------------------|---|
| Cable structure | 5 x 6.0 mm ² + 1 x 0.5 mm ² (prEN 50620, VDE Reg. 8789 class 5) |
| External cable diameter | 17 mm ±0.4 mm |
| Type of conductor | straight |
| Outer sheath, material | TPE-U |
| External sheath, color | black |
| Minimum bending radius | 255 mm (15 x diameter) |

Locking

| | |
|---------------------|------------------------------|
| Locking type | No locking option for U-lock |
|---------------------|------------------------------|

Environmental Product Compliance

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

Classifications

eCl@ss

| | |
|-------------------|----------|
| eCl@ss 4.0 | 27141111 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| 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 | EC001121 |
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC002839 |
| ETIM 6.0 | EC002839 |

UNSPSC

| | |
|----------------------|----------|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121522 |

Approvals

AC charging cable - EV- T2M3PC-3AC32A-12M6,0ESBK00 - 1622092

Approvals

Approval details

| VDE Zeichengenehmigung | |
|----------------------------|-------|
| Nominal voltage UN | 480 V |
| Nominal current IN | 32 A |
| mm ² /AWG/kcmil | 6 |

Accessories

Park position

EV-T2AC-PARK - 1624148



Infrastructure socket outlet

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



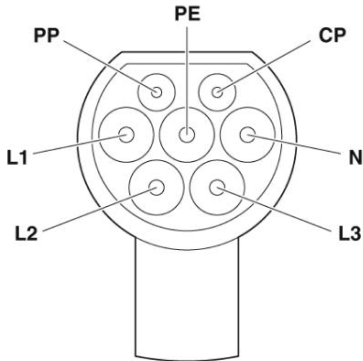
EV-T2M3SE24-3AC32A-0,7M6,0E10 - 1405216



Drawings

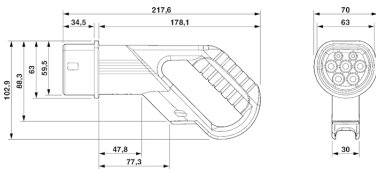
AC charging cable - EV- T2M3PC-3AC32A-12M6,0ESBK00 - 1622092

Connection diagram



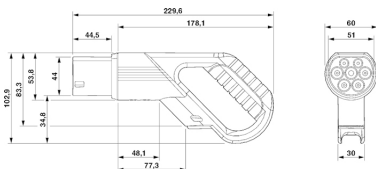
Pin assignment of Infrastructure Plug

Dimensional drawing



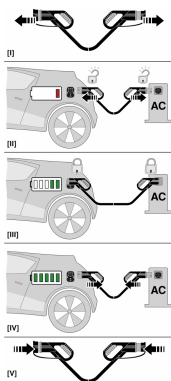
Dimensional drawing of Vehicle Connector

Dimensional drawing



Dimensional drawing of the Infrastructure Plug

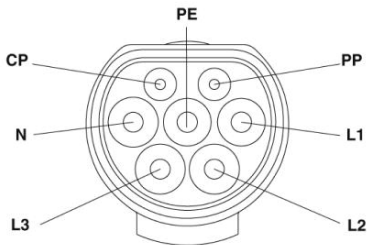
Schematic diagram



Operating instructions

AC charging cable - EV- T2M3PC-3AC32A-12M6,0ESBK00 - 1622092

Schematic diagram



Pin assignment of the Vehicle Connector

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>