

AC charging cable - EV-TCG3PK-3AC32A-5,0M6,0ESBK01



1628001

<https://www.phoenixcontact.com/gb/products/1628001>

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CHARX connect, Mobile AC charging cable, with vehicle charging connector and infrastructure charging plug, For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets, with protective cap, with locking option for padlock, GB/T, Type 2, IEC 62196-2, GB/T 20234.2-2015, 32 A / 440 V (AC), C-Line, housing: black, gray, PHOENIX CONTACT logo, cable: 5 m, black, straight

Product Description

Mobile AC charging cable with vehicle charging connector and infrastructure charging plug for charging electric vehicles (EV) with alternating current (AC) via GB/T 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

Commercial Data

Item number	1628001
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	XWBAEH
Product Key	XWBAEH
Catalog Page	Page 33 (C-7-2019)
GTIN	4055626370156
Weight per Piece (including packing)	3,418 g
Weight per Piece (excluding packing)	3,418 g
Customs tariff number	85444290
Country of origin	PL

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Technical Data

Product properties

Product type	AC charging cable
Application	For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE)
Type	Mobile AC charging cable with vehicle charging connector and infrastructure charging plug
Design	with protective cap with locking option for padlock
Affixed logo	PHOENIX CONTACT logo
Charging mode	Mode 3, Case B
Charging standard	GB/T Type 2

Electrical properties

Number of phases	3
Type of signal transmission	Pulse width modulation
Note on the connection method	Crimp connection, cannot be disconnected
Coding	220 Ω + 3,.3 k Ω (Lever actuated) 220 Ω (Lever not actuated)
Type of charging current	AC 3-phase
Charging power	26.6 kW
Charging current	32 A

Power contact

Number	5 (L1, L2, L3, N, PE)
Rated voltage	440 V
Rated current	32 A

Signal contact

Number	2 (CP, CC)
Rated voltage	30 V AC
Rated current	2 A

Dimensions

Dimensional drawing	
Width	58 mm (Vehicle charging connector)

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	58 mm (Infrastructure charging plug)
Height	151.3 mm (Vehicle charging connector)
	131.8 mm (Infrastructure charging plug)
Depth	238.7 mm (Vehicle charging connector)
	233.4 mm (Infrastructure charging plug)

Material specifications

Housing material	Plastic
Material of grip body	Soft plastic
Material protective cap	Soft plastic
Actuating lever material	Metal
Material mating face	Plastic
Material surface of contacts	Ag

Design

Design	C-Line
Color Housing	black
Color Connection profile	black
Color Handle area	gray
Color Actuation element	silver
Color Protective cap	black
Customer variations	On request

Cable / line

Cable length	5 m
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 505 kg/km
Conductor type	straight
Conductor structure	5 x 6.0 mm ² + 1 x 0.5 mm ²
Cable type	Class 5
External cable diameter	17 mm ±0.4 mm
Stripping length	60 mm ±15 mm
Outer sheath, material	TPE-U
Bending radius	min. 127.5 mm (7.5x diameter)
Conductor resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 505 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	5 x 6.0 mm ² + 1 x 0.5 mm ²
Stripping length of the sheath	60 mm ±15 mm
External cable diameter	17 mm ±0.4 mm

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Outer sheath, material	TPE-U
Conductor resistance	$\leq 0.0033 \Omega/\text{m}$ (based on a power core, at an ambient temperature of 20°C)

Mechanical properties

Bending radius	min. 127.5 mm (7.5x diameter)
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Mechanical data

Insertion force	< 100 N
Withdrawal force	< 100 N

Environmental and real-life conditions

Ambient conditions

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
	GB/T 20234.2-2015

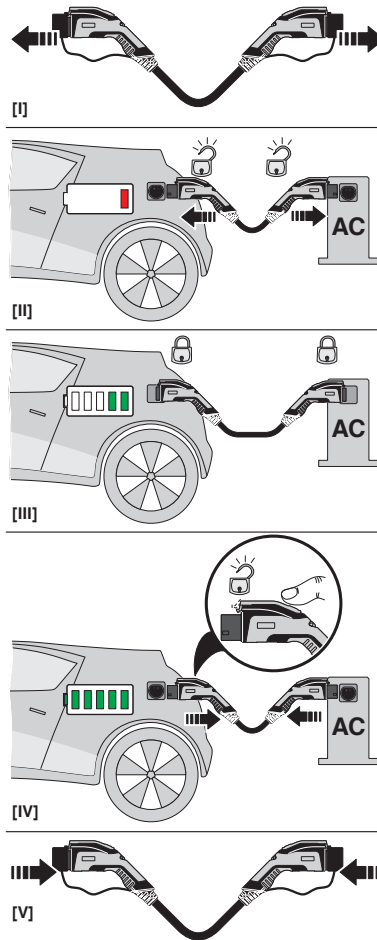
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Drawings

Schematic diagram



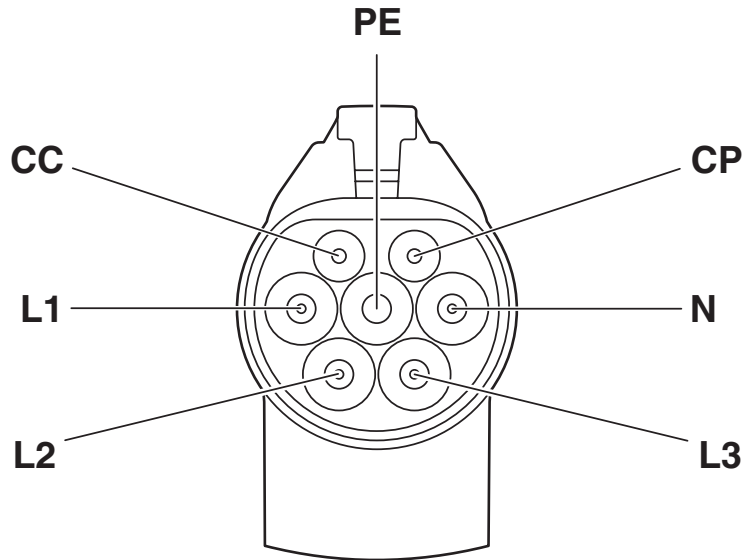
Operating instructions

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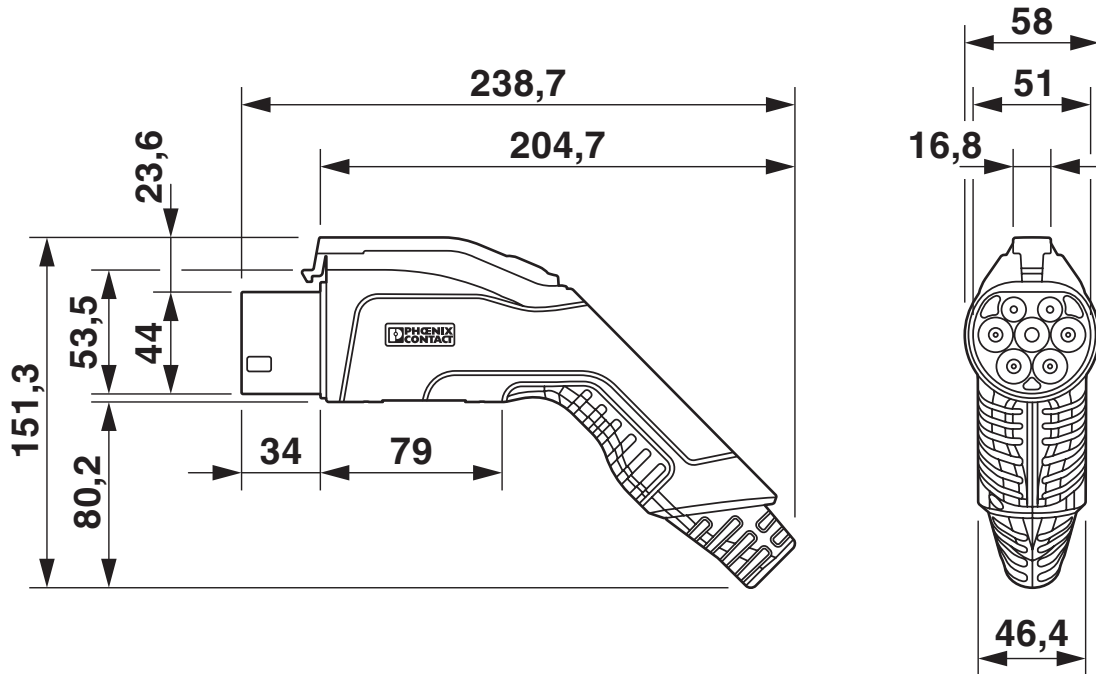
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Schematic diagram



Pin assignment of the Vehicle Connector

Dimensional drawing



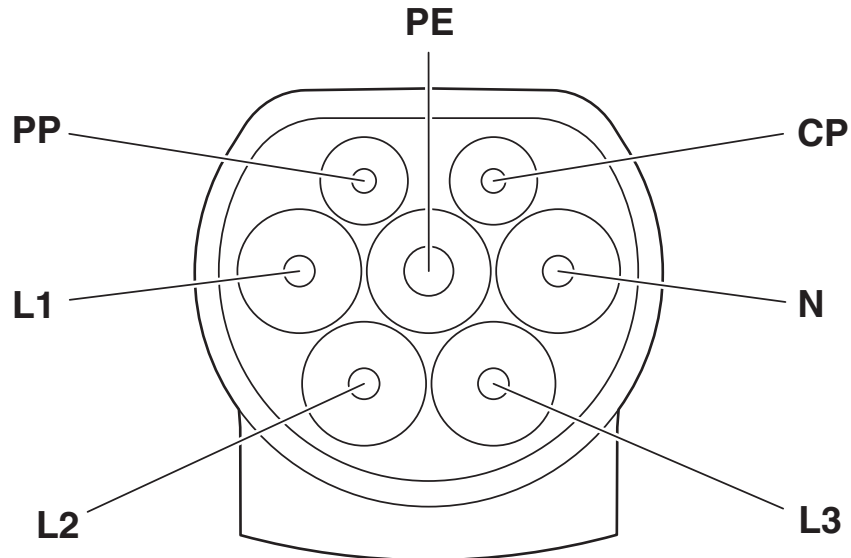
Vehicle connector

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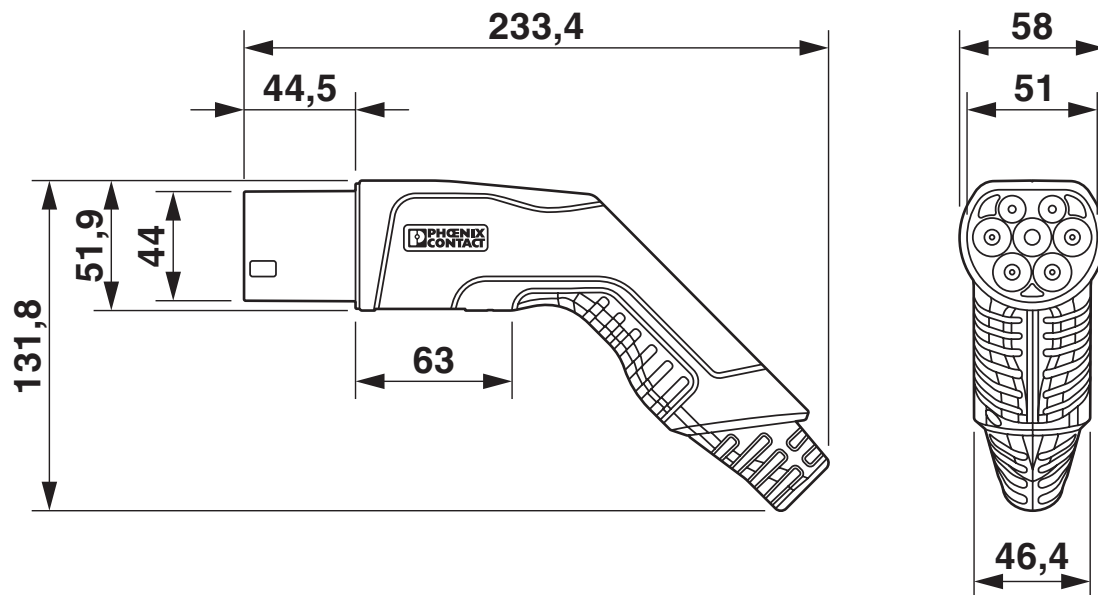
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Connection diagram



Pin assignment of Infrastructure Plug

Dimensional drawing



Infrastructure plug

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Classifications

ECLASS

ECLASS-9.0	27144705
ECLASS-10.0.1	27144705
ECLASS-11.0	27144705

ETIM

ETIM 8.0	EC002897
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UNSPSC

UNSPSC 21.0	39121500
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

Charging connector holder

Charging connector holder - EV-GBAC-PARK - 1624142

<https://www.phoenixcontact.com/gb/products/1624142>



CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), GB/T, GB/T 20234.2, Front mounting, D-Line, C-Line, housing: black

Infrastructure charging socket

Infrastructure charging socket - EV-T2M3SE12-3AC32A-0,7M6,0E10 - 1405214

<https://www.phoenixcontact.com/gb/products/1405214>



CHARX connect, Infrastructure charging socket, for charging electric vehicles (EV) with alternating current (AC), Type 2, IEC 62196-2, 32 A / 480 V (AC), length: 0.7 m (AC cables), locking actuator: 12 V, 4-pos., Rear panel mounting, SE-Line, housing: black, PHOENIX CONTACT logo

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Infrastructure charging socket

Infrastructure charging socket - EV-T2M3SE24-3AC32A-0,7M6,0E10 - 1405216

<https://www.phoenixcontact.com/gb/products/1405216>



CHARX connect, Infrastructure charging socket, for charging electric vehicles (EV) with alternating current (AC), Type 2, IEC 62196-2, 32 A / 480 V (AC), length: 0.7 m (AC cables), locking actuator: 24 V, 4-pos., Rear panel mounting, SE-Line, PHOENIX CONTACT logo

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PHOENIX CONTACT Ltd

Halesfield 13, Telford

Shropshire, TF7 4PG

01952 681700

info@phoenixcontact.co.uk