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

1628001

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CHARX connect comfort, GB/T, Type 2, Mobile AC charging cable, 32 A permanent, 440 V AC, with vehicle charging connector and infrastructure charging plug, cable: 5 m, black, straight, with protective cap, with locking option for padlock, housing: black, gray, PHOENIX CONTACT logo, IEC 62196-2, GB/T 20234.2-2015, for charging electric vehicles (EV) with alternating current (AC) via GB/T 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 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	EM01
Product key	XWBECD
GTIN	4055626370156
Weight per piece (including packing)	3,680 g
Weight per piece (excluding packing)	3,680 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
	with locking option for padlock
Charging standard	GB/T
	Type 2
Charging mode	Mode 3, Case B
Affixed logo	PHOENIX CONTACT logo

Electrical properties

Charging power and current (AC charging, 3-phase)

Type of charging current	AC 3-phase
Charging current	32 A AC (3-phase)
Charging power	26.6 kW (3-phase)
Charging power rating	22 kW (3-phase, 6.0 mm²)
Operating voltage	typ. 380 V

Pin assignment (Power contacts)

Note on the connection method	Crimp connection, cannot be disconnected
Number	5 (L1, L2, L3, N, PE)
Rated voltage	440 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, PP)
Rated voltage	30 V AC
Rated current	2 A
Coding	220 Ω (between PE and CC)

Material specifications

Color (Housing)	black (9005)
Color (Handle area)	black (9005)
Color (Mating face)	black (9005)
Color (Protective cap)	black (9005)
Color (Cable)	black (9005)
Note	The color appearance and gloss level of the charging cable may vary.

Cable/line

Cable length	5 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 505.00 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	5 x 6.0 mm² + 1 x 0.5 mm²
External cable diameter	17.00 mm ±0.4 mm
Outer sheath, material	TPE-U
Stripping length of the sheath	60 mm ±15 mm
Stripping length	60 mm ±15 mm
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 127.5 mm (7.5x diameter)
Cable length	5 m
Stripping length	60 mm ±15 mm
External cable diameter	17.00 mm ±0.4 mm
Cable type	Class 5
Wiring certifications	VDE
Wiring standards/regulations	prEN 50620/DIN EN 50620
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)

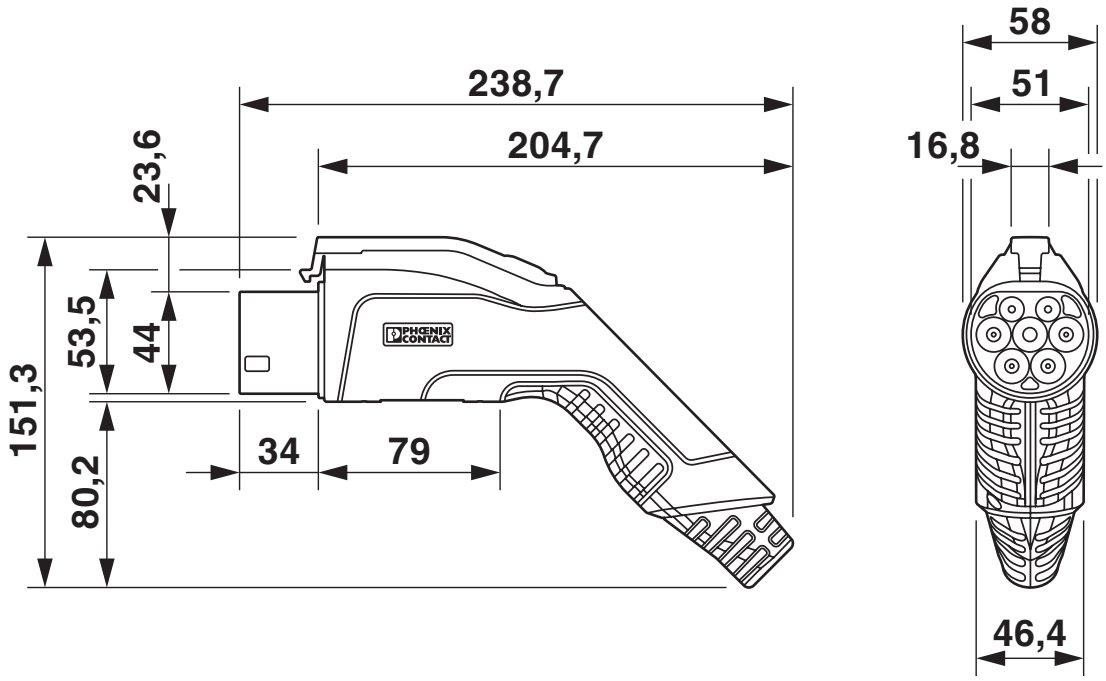
Standards and regulations

Standards

Standards/regulations	IEC 62196-2
	GB/T 20234.2-2015

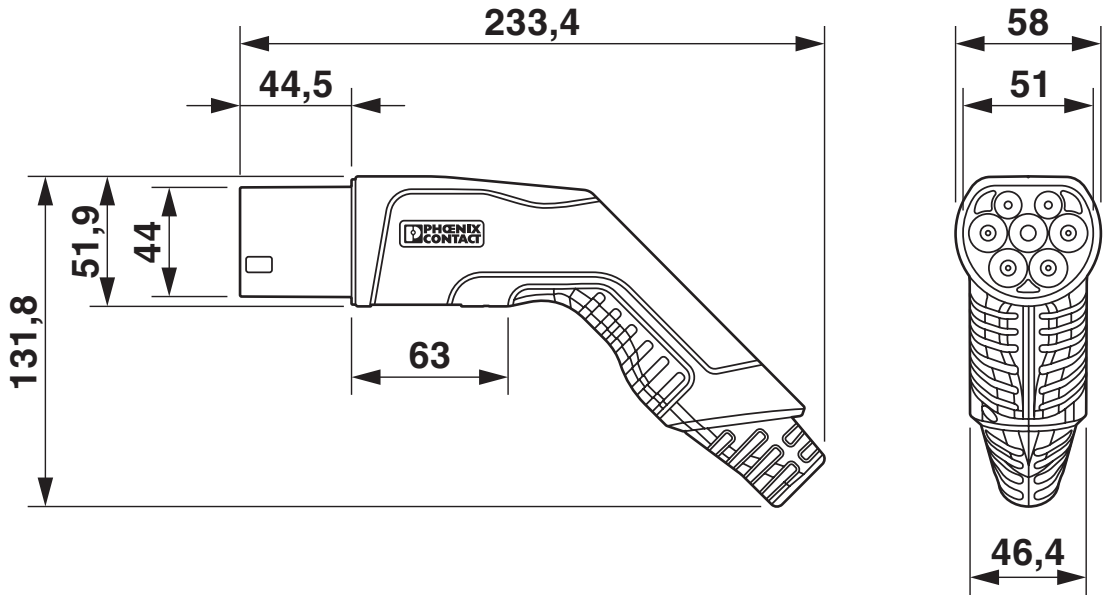
Drawings

Dimensional drawing



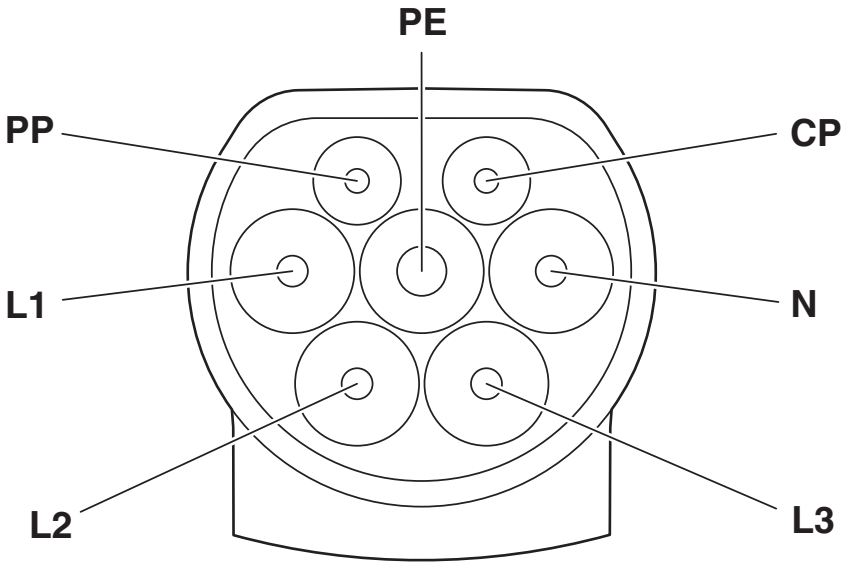
Vehicle connector

Dimensional drawing



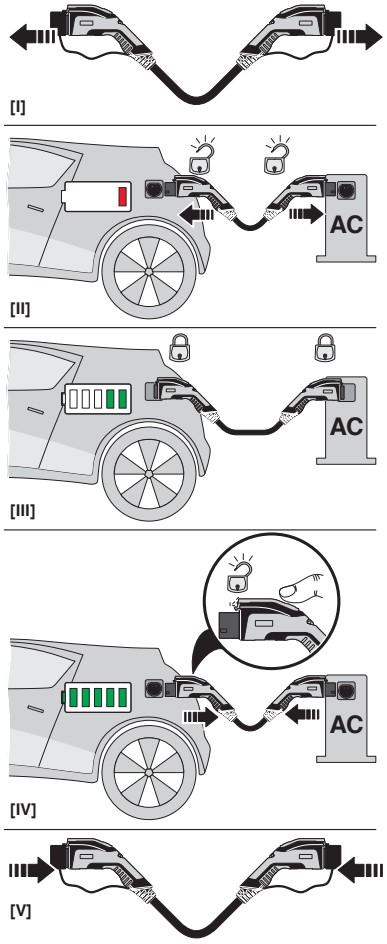
Infrastructure plug

Connection diagram



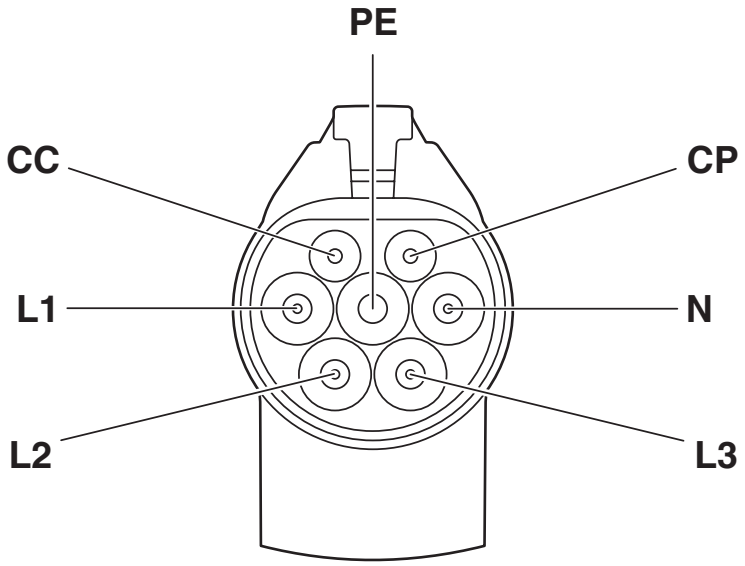
Pin assignment of Infrastructure Plug

Schematic diagram



Operating instructions

Schematic diagram



Pin assignment of the Vehicle Connector

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	4ad837cb-9a99-47c0-a85c-b41d91aaf9ba

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