

1627645

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CHARX connect comfort, Mobile AC charging cable, with vehicle charging connector and infrastructure charging plug, for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, with protective cap, Type 2, IEC 62196-2, 32 A / 480 V (AC), housing: black, gray, PHOENIX CONTACT logo, cable: 6 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 type 2 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

Commercial data

Item number	1627645		
Packing unit	1 pc		
Minimum order quantity	1 pc		
Sales key	EM01		
Product key	XWBAEC		
GTIN	4055626343174		
Weight per piece (including packing)	3,065 g		
Weight per piece (excluding packing)	3,065 g		
Customs tariff number	85444290		
Country of origin	PL		



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Technical data

Product properties

Product type	AC charging cable		
Product family	CHARX connect comfort		
Application	for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets		
	compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE)		
Туре	Mobile AC charging cable		
	with vehicle charging connector and infrastructure charging plug		
Design	with protective cap		
Affixed logo	PHOENIX CONTACT logo		
Data management status			
Article revision	12		
Charging mode	Mode 3, Case B		
Charging standard	Type 2		

Electrical properties

Type of signal transmission	Pulse width modulation		
Note on the connection method Crimp connection, cannot be disconnected			
Coding	220 $Ω$ (between PE and PP)		
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	480 V AC	
Rated current	32 A	

Signal contact

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

Dimensions

Infrastructura charging plug

Disconsistant descript	
Dimensional drawing	233,4 58 58 51 51 50 51 51 51 51 51 51 51 51 51 51 51 51 51



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	Infrastructure plug		
Width	58 mm		
Height	131.8 mm		
Depth	233.4 mm		
Vehicle charging connector			
Dimensional drawing	215,9 770 53 53 555.6 Vehicle connector		
Width	70 mm		
Height	137 mm		
Depth	215.9 mm		
aterial specifications Color (Housing)	black (9005)		
Color (Handle area)	gray (7042)		
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 (Infrastructure charging plug)	Plastic		
Material (Contact surface)	Silver		
able/line			
Cable length	6 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 4.0 mm² + 1 x 0.5 mm²		
External cable diameter	14.20 mm ±0.3 mm		
Outer sheath, material TPE-U			

Mechanical properties

Bending radius

Cable resistance

 \leq 0.0033 Ω /m (based on a power core, at an ambient

temperature of 20°C)

min. 127.5 mm (7.5x diameter)



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Mechanical data

Insertion/withdrawal cycles	> 10000
Insertion force	< 100 N
Withdrawal force	< 100 N

Environmental and real-life conditions

Ambient conditions

Degree of protection (Vehicle charging connector)	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)	-40 °C 50 °C		
Ambient temperature (storage/transport)	-40 °C 80 °C		
Altitude	5000 m (above sea level)		

Standards and regulations

Standards

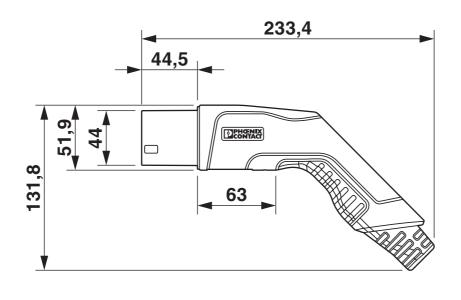


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Drawings

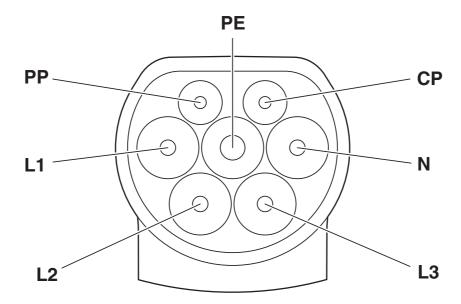
Dimensional drawing





Infrastructure plug

Connection diagram



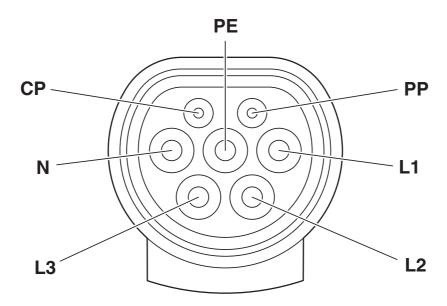
Pin assignment of Infrastructure Plug



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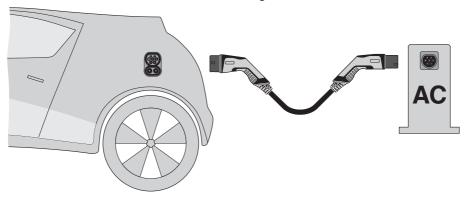
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Pin assignment of the Vehicle Connector

Schematic diagram



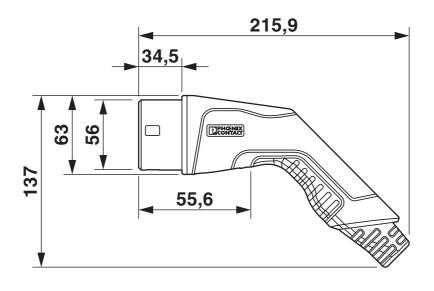
Terminology definition



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Dimensional drawing



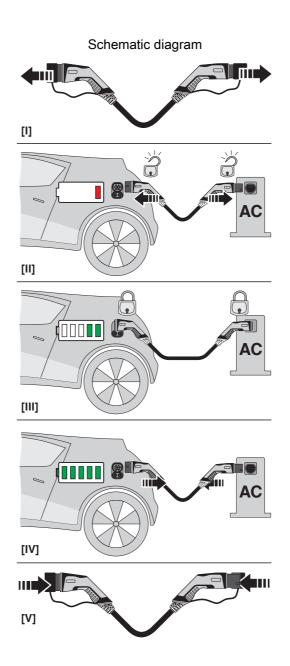


Vehicle connector



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Operating instructions



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1627645

CB scheme	IECEE CB Scheme Approval ID: DE1-65890				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		480 V	32 A	-	-

VDE Zeichengenehmigung Approval ID: 40045394				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
	480 V	32 A	-	-



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Classifications

ECLASS

	ECLASS-11.0	27144705	
	ECLASS-12.0	27144705	
	ECLASS-13.0	27144705	
ETIM			
	ETIM 9.0	EC002897	
UNSPSC			
	UNSPSC 21.0	39121500	



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-10
	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	6cad0625-3ad4-4a79-9726-80f239515a59

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