EV-T2G3PC-1AC20A-4,0M2,5EHBK01 - AC charging cable



1627131

https://www.phoenixcontact.com/us/products/1627131

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 documentation. Our general terms of use for downloads are valid.



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, 20 A / 250 V (AC), housing: black, gray, PHOENIX CONTACT logo, cable: 4 m, black, spiraled

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	1627131
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBAEC
Catalog page	Page 28 (C-7-2019)
GTIN	4055626299457
Weight per piece (including packing)	2 kg
Weight per piece (excluding packing)	1.84 kg
Customs tariff number	85444290
Country of origin	PL



https://www.phoenixcontact.com/us/products/1627131

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
Charging mode	Mode 3, Case B
Charging standard	Туре 2

Electrical properties

Type of signal transmission	Pulse width modulation
Note on the connection method	Crimp connection, cannot be disconnected
Coding	680 Ω (between PE and PP)
Type of charging current	AC single-phase
Charging power	5 kW
Charging current	20 A

Power contact

Number	3 (L1, N, PE)
Rated voltage	250 V AC
Rated current	20 A

Signal contact

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

Dimensions

Infrastructure charging plug	
Dimensional drawing	Infrastructure plug
Width	58 mm



https://www.phoenixcontact.com/us/products/1627131

Height	131.8 mm
Depth	233.4 mm

Vehicle charging connector

Venicle charging connector	
Dimensional drawing	Vehicle connector
Width	70 mm
Height	137 mm
Depth	215.9 mm

Material 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 (Infrastructure charging plug)	Plastic
Material (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver

Cable/line

Cable length	4 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable type	Class 5
Cable type	spiraled
Cable structure	3 x 2.5 mm² + 1 x 0.5 mm²
External cable diameter	10.20 mm ±0.3 mm
Outer sheath, material	TPE-U
Block length	0.68 m ±10 %
Coil diameter	45 mm ±10 %
Effective length	max. 4 m ±5 %
Cable resistance	≤ 0.00798 Ω /m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 153 mm (15x diameter)

Mechanical properties

Insertion/withdrawal cycles	> 10000
-----------------------------	---------



https://www.phoenixcontact.com/us/products/1627131

Insertion force	< 100 N
Withdrawal force	< 100 N

Environmental and real-life conditions

Ambient conditions	
Degree of protection (Vehicle charging inlet)	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	
Standards/regulations	IEC 62196-2



cable

https://www.phoenixcontact.com/us/products/1627131

Classifications

ECLASS

ECLASS-11.0	27144705
ECLASS-12.0	27144705
ECLASS-13.0	27144705

ETIM

	ETIM 9.0	EC002897		
UNSPSC				
	UNSPSC 21.0	39121500		



cable

https://www.phoenixcontact.com/us/products/1627131

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"

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com