EV-T2M4CC-DC200A-6,5M50ESBK11 - DC charging cable



1106953

https://www.phoenixcontact.com/us/products/1106953

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 standard, DC charging cable, with vehicle charging connector and open cable end, for charging electric vehicles (EV) with direct current (DC), with connected PP contact, with replaceable mating face frame, with analog temperature sensors, CCS type 2, IEC 62196-3, 200 A / 1000 V (DC), PHOENIX CONTACT logo, cable: 6.5 m, black, straight

Product description

DC charging cable with vehicle charging connector and free cable end for fast charging of electric vehicles (EV) with direct current (DC) via CCS type 2 vehicle charging inlets, for installation at charging stations for e-mobility (EVSE)

Your advantages

- · Complete product range
- The right charging cable for every application, from the carport to the charging park
- · Convenient handling due to the ergonomic design
- · Available with your logo on request for consistent branding of your charging station
- · Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001

Commercial data

Item number	1106953
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBAAD
GTIN	4063151000332
Weight per piece (including packing)	12,178 g
Weight per piece (excluding packing)	12,178 g
Customs tariff number	85444290
Country of origin	PL



https://www.phoenixcontact.com/us/products/1106953

Technical data

Product properties

charging cable ARX connect standard charging electric vehicles (EV) with direct current (DC) installation at charging stations for electromobility (EVSE) charging cable in vehicle charging connector and open cable end
charging electric vehicles (EV) with direct current (DC) installation at charging stations for electromobility (EVSE) charging cable n vehicle charging connector and open cable end
installation at charging stations for electromobility (EVSE) charging cable n vehicle charging connector and open cable end
charging cable n vehicle charging connector and open cable end
vehicle charging connector and open cable end
n connected PP contact
n replaceable mating face frame
n analog temperature sensors
nbined Charging System
OENIX CONTACT logo
1 mm x 44.8 mm (customer logo on request)
S type 2
de 4

Electrical properties

Type of signal transmission	Pulse width modulation with modulated Powerline communication in accordance with ISO/IEC 15118 / DIN SPEC 70121
Note on the connection method	Crimp connection, cannot be disconnected
Coding	1500 Ω (between PE and PP)
	PP signal contact connected to cable
Temperature monitoring	2x Pt 1000
Type of charging current	DC
Charging power	200 kW
Charging current	200 A
Type of charging current	DC Boost Mode
Charging power	up to 500 kW (Boost Mode, depending on the ambient conditions. For detailed information, see the packing slip in the download area for this item.)
Charging current	up to 500 A (Boost Mode, depending on the ambient conditions For detailed information, see the packing slip in the download area for this item.)

Power contact

Number	3 (PE, DC+, DC-)
Rated voltage	1000 V DC
Rated current	200 A (up to 40 °C)

Signal contact

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



https://www.phoenixcontact.com/us/products/1106953

Sensor type	Pt 1000
Standards/regulations	DIN EN 60751
Attachment point	Sensor for the DC contacts
Switch-off temperature	90 °C ±1 K (equivalent to a Pt 1000 value of 1346.5 Ω)
Long-term stability	0.06 % (after 1000 hours at 130 °C)
Recommended measured current	1 mA (1 V at 0°C)
Coefficient	3850 ppm/K
Ambient temperature	-50 °C 130 °C (Operation)

Dimensions

Vehicle charging connector

Width	75 mm
Height	139 mm
Depth	267 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 (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver

Cable/line

Cable length	6.5 m ±45 mm
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE-Reg.
Cable weight	max. 1620.00 kg/km
Cable type	Class 6
Cable type	straight
Cable structure	2 x 50 mm² + 1 x 25 mm² + 3 x 2 x 0.75 mm²
External cable diameter	28.10 mm ±0.5 mm
Outer sheath, material	TPE-U
Stripping length of the sheath	140 mm ±10 mm
Stripping length	140 mm ±10 mm
Cable resistance	≤ 0.00039 Ω /m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 281 mm (10x Ø)

Mechanical properties



https://www.phoenixcontact.com/us/products/1106953

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

Environmental and real-life 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)
Ambient temperature (operation)	-30 °C 40 °C
	max. 55 °C (Current reduction required, observe the DC contact temperature limit value of 90°C)
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	5000 m (above sea level)

Standards and regulations

Standards



cable

https://www.phoenixcontact.com/us/products/1106953

Classifications

ECLASS

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

ETIM

	ETIM 9.0	EC002897		
UNSPSC				
	UNSPSC 21.0	39121500		



https://www.phoenixcontact.com/us/products/1106953

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