

EV-T2M3SOW-3AC20A-0,3M2,5E - Cable set for infrastructure charging socket



1164355

<https://www.phoenixcontact.com/us/products/1164355>

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CHARX connect modular, Type 2, Cable set for infrastructure charging socket, 20 A , 480 V AC, Gen 2, Accessories, Single wires, length: 0.3 m, Plug-in mounting, with slip-on sleeve at one end, only for connection to second-generation infrastructure charging sockets from Phoenix Contact, IEC 62196-2

Product description

Cables with slip-on sleeves on one end for connection to infrastructure charging sockets, for charging electric vehicles (EV) with alternating current (AC), for installation in charging stations for electromobility (EVSE)

Your advantages

- Protected against overheating with precise temperature measurement
- Flexible mounting and easy maintenance with plug-in cables
- Available with your logo on request - for consistent branding of your charging station
- Waterproof and dirtproof due to fully molded contacts
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Uniform, space-saving installation space

Commercial data

Item number	1164355
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBFLB
GTIN	4063151176785
Weight per piece (including packing)	54.962 g
Weight per piece (excluding packing)	54.962 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product type	Cable set for infrastructure charging socket
Product family	CHARX connect modular
Type	Gen 2 Accessories
Design	with slip-on sleeve at one end
Compatibility	compatible with the CHARX connect modular Gen 2 product portfolio
Charging standard	Type 2
Charging mode	Mode 3, Case B

Electrical properties

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

Type of charging current	AC 3-phase
Charging current	20 A AC (3-phase)
Charging power	16.63 kW (3-phase)
Charging power rating	11 kW (20 A, 3-phase)
Operating voltage	typ. 400 V AC

Pin assignment (Power contacts)

Note on the connection method	Plug-in connection, separable
Number	5 (L1, L2, L3, N, PE)
Rated voltage	480 V AC
Rated current	20 A AC

Pin assignment (Signal contacts)

Note on the connection method	Plug-in connection, separable
Number	2 (CP, PP)
Rated voltage	30 V AC
Rated current	2 A

Material specifications

Material (Contact surface)	Silver
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Cable/line

Cable length	0.3 m
Cable type	Single wires
Cable structure	5 x 2.5 mm ² + 2 x 0.5 mm ²

Single-core wires for AC

Cable length	0.3 m
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Cable structure	5 x 2.5 mm ²
Single-core wires for communication	
Cable length	0.3 m
Cable structure	2 x 0.5 mm ²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	< 3
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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/specifications	IEC 62196-2
Note	Compliant with AFIR - EU 2025/656

Mounting

Mounting type Cable set	Plug-in mounting
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Classifications

ECLASS

ECLASS-13.0	27144792
ECLASS-15.0	27144792

ETIM

ETIM 10.0	EC002884
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, No electrical and electronic equipment (EEE), cannot be used in EEE
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EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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EF3.1 Climate Change

CO2e kg	11.88 kg CO2e
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