

1286389

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CHARX connect modular, Infrastructure charging socket, square, Basic, for charging electric vehicles (EV) with alternating current (AC), Type 2, IEC 62196-2, 32 A / 480 V (AC), without single-core wires, locking actuator: 12 V, 4-pos., Rear panel mounting, including M5 threaded sleeves (4 x) for "Easy Mount" mounting, housing: black, PHOENIX CONTACT logo

Product description

Infrastructure charging socket for charging electric vehicles (EV) with alternating current (AC), compatible with type 2 Infrastructure Plugs, for installation at charging stations for E-Mobility (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	1286389
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBADC
GTIN	4063151493660
Weight per piece (including packing)	438 g
Weight per piece (excluding packing)	438 g
Customs tariff number	85366990
Country of origin	DE



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Set consists of

EV-T2M3SO-CAP - Protective cap

1202424 https://www.phoenixcontact.com/us/products/1202424



CHARX connect modular, Protective cap, circular, Accessories, for strain relief and touch protection, Type 2, IEC 62196-2



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Technical data

Product properties

Design (Infrastructure charging socket)	square
Design (Protective cap)	circular
Product type	Infrastructure charging socket
Product family	CHARX connect modular
Application	for charging electric vehicles (EV) with alternating current (AC)
	compatible with infrastructure charging plugs
Туре	Basic
Affixed logo	PHOENIX CONTACT logo
Charging standard	Type 2
Charging mode	Mode 3, Case B

Electrical properties

Type of signal transmission Pulse width modulation Note on the connection method Connection via spade connector, separable and reconnectable Type of charging current AC 3-phase Charging power rating 22 kW Charging power max. 26.6 kW Charging current max. 32 A Power contact		
Type of charging currentAC 3-phaseCharging power rating22 kWCharging powermax. 26.6 kWCharging currentmax. 32 APower contactNumber5 (L1, L2, L3, N, PE)Rated voltage480 V ACRated currentmax. 32 ASignal contactmax. 32 ANumber2 (CP, PP)Rated voltage30 V ACRated voltage30 V ACRated current2 ALocking actuator12 VOperating voltage12 VNote number of positions4-pos.Position of the locking actuator12 VLocking actuator12 VNote number of positions4-pos.Position of the locking actuator12 VNote number of positions4-pos.Position of the locking actuator9 V 16 VNote number of positions4-pos.Position of the locking actuator12 VLocking actuator12 VLocking actuator9 V 16 VPosition of the locking actuator9 V 16 VMaximum voltage for locking detection30 VMaximum voltage for locking detection30 VNote number of locking detection30 VPosition of the locking actuator9 V 16 V	Type of signal transmission	Pulse width modulation
Charging power rating22 kWCharging powermax. 26.6 kWCharging currentmax. 32 APower contacts (L1, L2, L3, N, PE)Number5 (L1, L2, L3, N, PE)Rated voltage480 V ACRated currentmax. 32 AStranct contactmax. 32 ANumber2 (CP, PP)Rated current2 (CP, PP)Rated voltage30 V ACRated current2 ACobing actuator2 ACobing actuator12 VCobing actuator4-pos.Cobing actuator4-pos.Cobing actuator12 VCobing actuator12 VCobing actuator4-pos.Cobing actuator12 VCobing actuator12 VCobing actuator12 VCobing actuator12 VCobing actuator12 VCobing actuator9 V 16 VCobing actuator12 VCobing actuator12 VCobing actuator9 V 16 VCobing actuator12	Note on the connection method	Connection via spade connector, separable and reconnectable
Charging power max. 26.6 kW Charging current max. 32 A Power contact Number 5 (L1, L2, L3, N, PE) Rated voltage 480 V AC Rated current max. 32 A Signal contact max. 32 A Number 2 (CP, PP) Rated voltage 30 V AC Rated voltage 2 (CP, PP) Rated current 2 A Voltage 30 V AC Rated current 2 A Locking actuator 2 (Y Operating voltage 12 V Note number of positions 4-pos. Position of the locking actuator top center Locking actuator 12 V Note number of positions 4-pos. Position of the locking actuator top center Locking actuator 12 V Note number of positions 4-pos. Position of the locking actuator 12 V Note number of positions 4-pos. Position of the locking actuator 10 p center Possible power supply	Type of charging current	AC 3-phase
Charging current max. 32 A Power contact 5 (L1, L2, L3, N, PE) Rated voltage 480 V AC Rated current 480 V AC Signal contact max. 32 A Signal contact 2 (CP, PP) Rated voltage 30 V AC Rated current 2 A Operating voltage 12 V Note number of positions 4-pos. Position of the locking actuator 12 V Operating voltage 12 V Note number of positions 4-pos. Position of the locking actuator 12 V Store supply range at the motor 9 V 16 V Maximum voltage for locking detection 30 V Typical motor current for locking 0.2 A	Charging power rating	22 kW
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Possible power supply range at the motor 9 V 16 V Maximum voltage for locking detection 30 V Typical motor current for locking 0.2 A	Note number of positions	4-pos.
Maximum voltage for locking detection 30 V Typical motor current for locking 0.2 A	Position of the locking actuator	top center
Typical motor current for locking 0.2 A	Possible power supply range at the motor	9 V 16 V
	Maximum voltage for locking detection	30 V
Reverse current of the motor max. 1 A	Typical motor current for locking	0.2 A
	Reverse current of the motor	max. 1 A



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Max. dwell time with reverse current	1000 ms
Recommended adaptation time	600 ms
Pause time after entry or exit path	3 s
Service life insertion cycles	> 10000 load cycles
Lock recognition	available
Mechanical emergency release	available
Ambient temperature (operation)	-30 °C 50 °C
Cable length	0.5 m
Cable structure	4 x 0.5 mm²

Dimensions

Infrastructure charging socket

Dimensional drawing	
Width	75 mm
Height	91.71 mm
Depth	87.95 mm

Bore dimensions

Dimensional drawing	
Width Height	60 mm

Protective cap

Width	64 mm
Height	57 mm
Depth	24 mm

Material specifications

Color (Housing)	black (9005)
Material (Housing)	Plastic
Material (Contact surface)	Silver

Cable/line

Cable type	without single-core wires
Single wire, cross section	6.00 mm²



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Single-core wires for locking actuator

Cable length	0.5 m
Cable structure	4 x 0.5 mm²
Single wire, material	PVC
Single wire, color	BU/RD, BU/GN, BU/YE, BU/BN
External cable diameter	1.60 mm ±0.20 mm
Cable resistance	≤ 37.1 Ω/m

Mechanical properties

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

Environmental and real-life conditions

Ambient conditions	
Degree of protection (Infrastructure charging socket)	IP44 (plugged in)
Degree of protection (Protective cover)	IP54 (see accessories)
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				
Standards/regulations	IEC 62196-2			
Mounting				
Mounting type Infrastructure charging socket	Rear panel mounting (0 to 90 degree frontal inclination possible)			
Mounting type Protective cover	Rear panel mounting (available separately)			
Max. wall thickness	max. 50.00 mm (Rear panel mounting, normative maximum specification for infrastructure plug)			
	max. 28.00 mm (Rear mounting, normative maximum specification for infrastructure plug when using protective cover 1405217)			
Mounting hole diameter	7.00 mm (ø)			
Fixing screws	including M5 threaded sleeves (4 x) for "Easy Mount" mounting			
Screws included in the scope of delivery	none			



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Classifications

ECLASS

ECLASS-11.0	27144706
ECLASS-12.0	27144706
ECLASS-13.0	27144706

ETIM

	ETIM 9.0	EC002898		
UNSPSC				
	UNSPSC 21.0	39121800		



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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"

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