

EV-SET-T2AC-ADV-RCM2-32AC5MES - Charging technology set



1628081

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CHARX start twin, Starter kit for easy assembly of a charging station, IEC 62196-2, IEC 61851-1, Mode 3, Case C, 22 kW, 32 A, 400 V AC, cable: 5 m

Product description

TWIN charging technology set with AC charging cable, with sample assembly and installation instructions for a charging station for E-Mobility (EVSE), including recommendations for further components required (charging contactor, safety equipment), for charging electric vehicles (EV) with alternating current (AC) via Type 2 Vehicle Inlets

Commercial data

Item number	1628081
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	EM01
Product key	XWBCDA
Catalog page	Page 71 (C-7-2019)
GTIN	4055626379081
Weight per piece (including packing)	9,169 g
Weight per piece (excluding packing)	9,169 g
Customs tariff number	85366990
Country of origin	DE

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Set consists of

EV-T2G3C-3AC32A-5,0M6,0ESBK01 - AC charging cable

1627355

<https://www.phoenixcontact.com/us/products/1627355>



CHARX connect comfort, AC charging cable, with vehicle charging connector and open cable end, 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: 5 m, black, straight

EV-T2AC-PARK - Charging connector holder

1624148

<https://www.phoenixcontact.com/us/products/1624148>



CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), Type 2, IEC 62196-2, Front mounting, housing: black, PHOENIX CONTACT logo

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EM-CP-PP-ETH - AC charging controller

2902802

<https://www.phoenixcontact.com/us/products/2902802>



EV charge control is used to charge electrical vehicles on the 3-phase AC mains power supply according to IEC 61851-1 Mode 3. All necessary control functions are integrated. Additional functions are available for various charging applications.

EV-RCM-C2-AC30-DC6 - Differential current monitoring

1622451

<https://www.phoenixcontact.com/us/products/1622451>



The residual current module is used for AC and DC residual current detection in AC charging points. The higher-level safety equipment (e.g., residual current circuit breaker) is protected against potential DC residual currents. A 1 or 2-channel product version is available.

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PLC-RPT-230UC/21 - Relay Module

2900305

<https://www.phoenixcontact.com/us/products/2900305>



PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and plug-in miniature relay with power contact, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 230 V AC/220 V DC

PT 16-TWIN N - Feed-through terminal block

3208760

<https://www.phoenixcontact.com/us/products/3208760>



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 76 A, number of connections: 3, connection method: Push-in connection, Rated cross section: 16 mm², cross section: 0.5 mm² - 25 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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PT 16-TWIN N BU - Feed-through terminal block

3208773

<https://www.phoenixcontact.com/us/products/3208773>



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 76 A, number of connections: 3, connection method: Push-in connection, Rated cross section: 16 mm², cross section: 0.5 mm² - 25 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

PT 16-TWIN N-PE - Ground terminal

3208786

<https://www.phoenixcontact.com/us/products/3208786>



Ground terminal, number of connections: 3, connection method: Push-in connection, Rated cross section: 16 mm², cross section: 0.5 mm² - 25 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

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PT 6 - Feed-through terminal block

3211813

<https://www.phoenixcontact.com/us/products/3211813>



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 2, number of positions: 1, connection method: Push-in connection, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

PT 6 BU - Feed-through terminal block

3211819

<https://www.phoenixcontact.com/us/products/3211819>



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 2, number of positions: 1, connection method: Push-in connection, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

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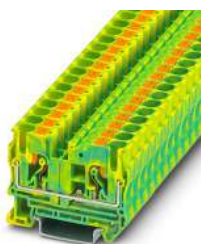
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PT 6-PE - Ground terminal

3211822

<https://www.phoenixcontact.com/us/products/3211822>



Ground terminal, number of connections: 2, number of positions: 1, connection method: Push-in connection, cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

PT 2,5 - Feed-through terminal block

3209510

<https://www.phoenixcontact.com/us/products/3209510>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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PT 2,5-TWIN - Feed-through terminal block

3209549

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 3, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

PT 2,5-TWIN BU - Feed-through terminal block

3209552

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 3, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

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ZFK 6-DREHSI (5X20) - Fuse modular terminal block

3025040

<https://www.phoenixcontact.com/us/products/3025040>



Spring-cage terminal block-fuse terminal block for cartridge fuse inserts with screw cap, cross section: 0.5 - 6 mm², width: 12 mm, color: black

FBS 2-12 - Plug-in bridge

3005950

<https://www.phoenixcontact.com/us/products/3005950>



Plug-in bridge, pitch: 12 mm, number of positions: 2, color: red

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FBS 3-5 - Plug-in bridge

3030174

<https://www.phoenixcontact.com/us/products/3030174>



Plug-in bridge, pitch: 5.2 mm, number of positions: 3, length: 23 mm, color: red

D-ST 2,5 - End cover

3030417

<https://www.phoenixcontact.com/us/products/3030417>



End cover, length: 48.6 mm, width: 2.2 mm, height: 48.6 mm, color: gray

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D-ST 2,5-TWIN - End cover

3030488

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End cover, length: 60.5 mm, width: 2.2 mm, height: 60.5 mm, color: gray



D-PT 6 - End cover

3212044

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End cover, length: 57.7 mm, width: 2.2 mm, height: 57.7 mm, color: gray



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D-PT 16-TWIN N - End cover

3208799

<https://www.phoenixcontact.com/us/products/3208799>

End cover, length: 100.2 mm, width: 2.2 mm, height: 100.2 mm, color: gray



CLIPFIX 35-5 - End clamp

3022276

<https://www.phoenixcontact.com/us/products/3022276>

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray



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Technical data

Notes

General	Set of all Phoenix Contact charging technology products and terminal blocks with recommendations for further components required (charging contactor, safety equipment)
General	The installation and startup of this device may only be performed by an electrically skilled person. Observe the applicable national standards and regulations.
General	The individual components bear a CE marking if legally required.

Product properties

Controller type	Advanced AC charging controller
Product type	Charging technology set
Product family	CHARX start twin
Application	for easy assembly of a charging station
Type	Starter kit
Charging standard	Type 2
Charging mode	Mode 3, Case C

System properties

Charging controllers

Number of charging points	2
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Electrical properties

Type of charging point	AC charging cable with Vehicle Connector, open cable ends, protective caps, holders (park positions)
Type of charging current	AC 3-phase
Module for real power measurement	2-channel RCM
Charging voltage	400 V AC
Charging current	32 A
Capacity	22 kW
Wiring diagram	Including download of sample E-Plan

Cable/line

Cable length	5.00 m
Cable type	straight
External sheath, color	black

Standards and regulations

Standards

Standards/regulations	IEC 62196-2
	IEC 61851-1

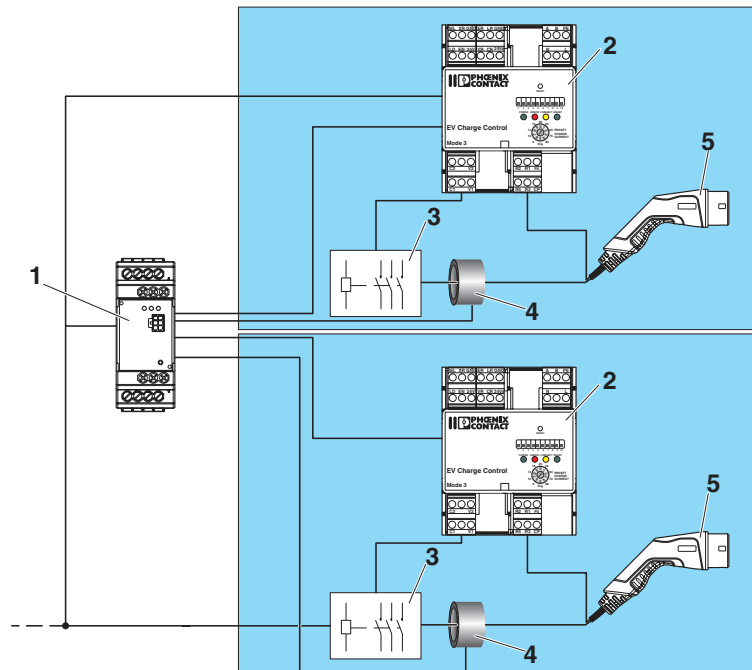
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Drawings

Connection diagram



Connection drawing:

1. RCM, 2. Charging controller, 3. Charging contactor, 4. RCM sensor coil, 5. Charging cable

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Classifications

ETIM

ETIM 7.0	EC002884
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UNSPSC

UNSPSC 21.0	39121522
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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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