

Set - EV-SET-T2AC-ADV-RCM2-32AC5MES - 1628081

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TWIN charging technology set 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

Your advantages

- ✔ Set of all Phoenix Contact charging technology products and terminal blocks with recommendations for further components required (charging contactor, safety equipment)
- ✔ Convenient ordering, thanks to just one order number for the set, saving you the job of putting together matching components
- ✔ Certified in accordance with IATF 16949:2016 and ISO 9001:2015
- ✔ Safe use, thanks to verified instructions regarding compatible components
- ✔ Stand-alone and simple setup of an AC charging station without additional development effort based on a wiring diagram
- ✔ Flexible application options, thanks to comprehensive configuration options and various communication interfaces for the charging controller



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 379081
GTIN	4055626379081

Technical data

Product definition

Type	TWIN charging technology set starter kit
Application	for easy assembly of a charging station
Standards/regulations	IEC 62196-2
	IEC 61851-1
Charging standard	Type 2
Charging mode	Mode 3, Case C

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Technical data

Product definition

Number of supported charging points	2
Note	Set of all Phoenix Contact charging technology products and terminal blocks with recommendations for further components required (charging contactor, safety equipment)
	The installation and startup of this device may only be performed by an electrically skilled person. Observe the applicable national standards and regulations.
	The individual components bear a CE marking if legally required.

Dimensions

Conductor length	5.00 m
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Electrical properties

Type of charging current	AC 3-phase
Charging power	22 kW
Charge current	32 A
Charging voltage	400 V AC

Charging technology set

Type of charging point	AC charging cable with Vehicle Connector, open cable ends, protective caps, holders (park positions)
Charging controller	Advanced AC charging controller
Residual current monitoring module	2-channel RCM
Wiring diagram	Including download of sample E-Plan
Set consists of	1627355 EV-T2G3C-3AC32A-5,0M6,0ESBK01
	1624148 EV-T2AC-PARK
	2902802 EM-CP-PP-ETH
	1622451 EV-RCM-C2-AC30-DC6
	2900305 PLC-RPT-230UC/21
	3208760 PT 16-TWIN N
	3208773 PT 16-TWIN N BU
	3208786 PT 16-TWIN N-PE
	3211813 PT 6
	3211819 PT 6 BU
	3211822 PT 6-PE
	3209510 PT 2,5
	3209549 PT 2,5-TWIN
	3209552 PT 2,5-TWIN BU
	3025040 ZFK 6-DREHSI (5X20)
	3005950 FBS 2-12
	3030174 FBS 3-5
	3030417 D-ST 2,5
	3030488 D-ST 2,5-TWIN
	3212044 D-PT 6

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Technical data

Charging technology set

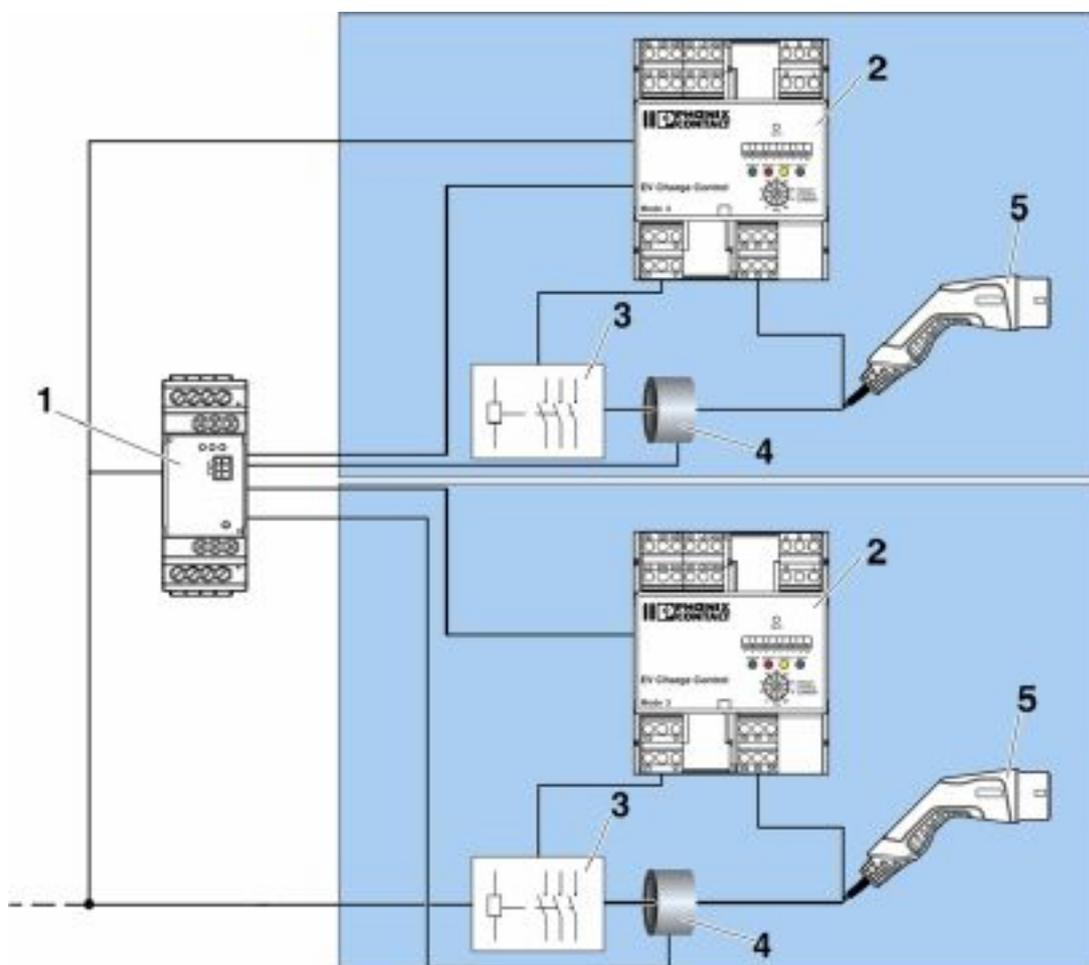
	3208799 D-PT 16-TWIN N
	3022276 CLIPFIX 35-5

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Connection diagram



Connection drawing:

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

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Articles in set

AC charging cable - EV-T2G3C-3AC32A-5,0M6,0ESBK01 - 1627355



AC charging cable with vehicle charging connector and open cable end, with protective cap, Housing color black-gray, for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, for installation at charging stations for electromobility (EVSE), Type 2, IEC 62196-2, 32 A / 480 V (AC), C-Line, "PHOENIX CONTACT" logo, cable: 5 m, black, straight

Park position - EV-T2AC-PARK - 1624148



Park position, Retainer for Vehicle Connector as parking position at charging stations (EVSE), Type 2, IEC 62196-2, Front mounting

AC charging controller - EM-CP-PP-ETH - 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.

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

Relay Module - PLC-RPT-230UC/21 - 2900305



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

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Articles in set

Feed-through terminal block - PT 16-TWIN N - 3208760



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 76 A, connection method: Push-in connection, number of connections: 3, cross section: 0.5 mm² - 25 mm², AWG: 20 - 4, width: 12.2 mm, height: 53.3 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 16-TWIN N BU - 3208773



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 76 A, connection method: Push-in connection, number of connections: 3, cross section: 0.5 mm² - 25 mm², AWG: 20 - 4, width: 12.2 mm, height: 53.3 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Ground modular terminal block - PT 16-TWIN N-PE - 3208786



Ground modular terminal block, connection method: Push-in connection, number of connections: 3, cross section: 0.5 mm² - 25 mm², AWG: 20 - 4, width: 12.2 mm, height: 53.3 mm, color: green-yellow, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 6 - 3211813



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in connection, number of connections: 2, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 8.2 mm, height: 42.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 6 BU - 3211819



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in connection, number of connections: 2, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 8.2 mm, height: 42.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

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Articles in set

Ground modular terminal block - PT 6-PE - 3211822



Ground modular terminal block, connection method: Push-in connection, number of connections: 2, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 8.2 mm, height: 42.2 mm, color: green-yellow, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5 - 3209510



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 2, number of positions: 1, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5-TWIN - 3209549



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 3, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5-TWIN BU - 3209552



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 3, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

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

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Articles in set

Plug-in bridge - FBS 2-12 - 3005950



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

Plug-in bridge - FBS 3-5 - 3030174



Plug-in bridge, pitch: 5.2 mm, length: 22.7 mm, width: 14.2 mm, number of positions: 3, color: red

End cover - D-ST 2,5 - 3030417



End cover, length: 48.6 mm, width: 2.2 mm, height: 29.1 mm, color: gray

End cover - D-ST 2,5-TWIN - 3030488



End cover, length: 60.5 mm, width: 2.2 mm, height: 29 mm, color: gray

End cover - D-PT 6 - 3212044



End cover, length: 57.7 mm, width: 2.2 mm, height: 36 mm, color: gray

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Articles in set

End cover - D-PT 16-TWIN N - 3208799



End cover, length: 100.2 mm, width: 2.2 mm, height: 46 mm, color: gray

End clamp - CLIPFIX 35-5 - 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

Classifications

eCl@ss

eCl@ss 10.0.1	27144792
eCl@ss 11.0	27144792
eCl@ss 9.0	27144792

ETIM

ETIM 5.0	EC001321
ETIM 6.0	EC002884
ETIM 7.0	EC002884

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