

EM-CPS-405 - Power distribution board



1002635

<https://www.phoenixcontact.com/us/products/1002635>

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Modular power distribution board with CrossLink® interface, 125 A, 3-pos., touch-proof and protection against polarity reversal, width: 405 mm



Your advantages

- Protection against polarity reversal - phase rotation not possible
- Quick, complete out-of-the-box system
- Compact design compared to conventional power distribution

Commercial data

Item number	1002635
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C470
Product key	CK7811
Catalog page	Page 52 (C-5-2019)
GTIN	4055626468204
Weight per piece (including packing)	1,410.3 g
Weight per piece (excluding packing)	1,367.3 g
Customs tariff number	85369095
Country of origin	DE

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Technical data

Notes

Assembly note	We recommend using the high DIN rail (35x15) for optimum stability and maximum load. For detailed technical information, please refer to the packing slip. Torque for screwing on the power distribution board: 1.5 Nm (13lb-in).
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Product properties

Product type	Assembly adapter
Product family	CrossPowerSystem

Data management status

Article revision	00
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Electrical properties

Rated voltage	600 V DC (IEC)
	690 V AC (IEC)
	600 V AC/DC (UL)
Rated peak withstand current	25 kA
Rated current	125 A (IEC)
	100 A (UL)
Rated insulation voltage	800 V AC
Rated surge voltage	6 kV

Dimensions

Width	405 mm
Height	160 mm
Depth	45.1 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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Approvals

UL data

SCCR	10 kA (unprotected)
	100 kA (protected)
	100 kA (CB 125 A/480 V AC)
	65 kA (CB 125 A/600 V AC)
	100 A (Class J 175 A)

Standards and regulations

Standards/regulations	IEC 61439-2
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	GB/T 7251.1
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1002635>



EAC
Approval ID: RU C-DE.A*30.B.01742



EAC
Approval ID: RU*DE*08.B.01841/19



UL Listed
Approval ID: E123528



cUL Listed
Approval ID: E123528

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27371392
ECLASS-13.0	27371392
ECLASS-12.0	27371392

ETIM

ETIM 9.0	EC002498
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UNSPSC

UNSPSC 21.0	39121100
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

EM-CPS-TB3/63A - Connection module

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Connection module with integrated spring-loaded terminals for cables from 1.5 to 16 mm², 3-pos., maximum 63 A

EM-CPS-TB3/125A - Connection module

1070299

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Connection module with box terminals for conductors from 6 to 50 mm², 3-pos., maximum 125 A

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ELR H51-IESSC-24DC500AC-2 - Hybrid motor starter

2902744

<https://www.phoenixcontact.com/us/products/2902744>



Short-circuit-proof hybrid motor starter for reversing 3~ AC motors up to 550 V AC, with 24 V DC input, 2.4 A output current, emergency stop function, and adjustable overload shutdown. Can only be used with EM-RD and EM-RI adapters or power distribution board.

ELR H51-IESSC-24DC500AC-9 - Hybrid motor starter

2902745

<https://www.phoenixcontact.com/us/products/2902745>



Short-circuit-proof hybrid motor starter for reversing 3~ AC motors up to 550 V AC, with 24 V DC input, 9 A output current, emergency stop function, and adjustable overload shutdown. Can only be used with EM-RD adapter, EM-RI adapter or power distribution board.

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ELR H51-IESSC-24DC500AC-06 - Hybrid motor starter

2902746

<https://www.phoenixcontact.com/us/products/2902746>



Short-circuit-proof hybrid motor starter for reversing 3~ AC motors up to 550 V AC, with 24 V DC input, 0.6 A output current, emergency stop function, and adjustable overload shutdown. Can only be used with EM-RD and EM-RI adapters or power distribution board.

ELR H51-IES-24DC500AC-3-IFS - Hybrid motor starter

1151618

<https://www.phoenixcontact.com/us/products/1151618>



Hybrid motor starter; functions: start motor, reverse motor, motor protection, emergency stop, network capable, short-circuit protection; input: 24 V DC; output: 3~, 500 V AC, 3 A; connection method: screw and Push-in connection; connection to the Interface system

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ELR H51-IES-24DC500AC-9-IFS - Hybrid motor starter

1151587

<https://www.phoenixcontact.com/us/products/1151587>



Hybrid motor starter; functions: start motor, reverse motor, motor protection, emergency stop, network capable, short-circuit protection; input: 24 V DC; output: 3~, 500 V AC, 9 A; connection method: screw and Push-in connection; connection to the Interface system

ELR H51-IES-24DC500AC-9-IOL - Hybrid motor starter

1151610

<https://www.phoenixcontact.com/us/products/1151610>



Hybrid motor starter; functions: start motor, reverse motor, motor protection, emergency stop, network capable, short-circuit protection; input: 24 V DC; output: 3~, 500 V AC, 9 A; connection method: screw and Push-in connection; connection to the IO-Link system

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ELR H51-IES-24DC500AC-3-IOL - Hybrid motor starter

1151617

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Hybrid motor starter; functions: start motor, reverse motor, motor protection, emergency stop, network capable, short-circuit protection; input: 24 V DC; output: 3~, 500 V AC, 3 A; connection method: screw and Push-in connection; connection to the IO-Link system

EM-CPS-PS/3AC/24DC/5 - Power supply unit

1064922

<https://www.phoenixcontact.com/us/products/1064922>



Primary-switched power supply unit TRIO POWER, Snap-on connection, Cross Power System - installation, input: 3-phase, output: 24 V DC / 5 A

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EM-CPS-DISC-NH000/125A - Switch disconnecter

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<https://www.phoenixcontact.com/us/products/1151613>



LV HRC fuse switch disconnecter size 000 with CrossLink®-interface, 125 A, connection bottom/top, with box terminals

EM-CPS-DA-22,5F/16A - Adapter

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Device adapter with fuse holder for 16 A fuse (10x38/Class CC), CrossLink® interface and fixed DIN rail

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EM-CPS-DA-45C/16A - Adapter

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Comfort device adapter with CrossLink® interface and moveable DIN rail, rated current: 16 A

EM-CPS-DA-45C/25A - Adapter

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Comfort device adapter with CrossLink® interface and moveable DIN rail, rated current: 25 A

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EM-CPS-DA-45C-CSS - Adapter

1282859

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Adapter for CONTACTRON Speed Starter for direct mounting on the CrossPowerSystem power distribution board

EM-CPS-DA-18S/16A-L1 - Adapter

1089439

<https://www.phoenixcontact.com/us/products/1089439>



Single-position adapters with CrossLink® interface for connecting miniature circuit breakers, 16 A, phase L1, with one fixed DIN rail, with conductors AWG 14 (2.5 mm²)

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EM-CPS-DA-18S/16A-L2 - Adapter

1089440

<https://www.phoenixcontact.com/us/products/1089440>



Single-position adapters with CrossLink® interface for connecting miniature circuit breakers, 16 A, phase L2, with one fixed DIN rail, with conductors AWG 14 (2.5 mm²)

EM-CPS-DA-18S/16A-L3 - Adapter

1089441

<https://www.phoenixcontact.com/us/products/1089441>



Single-position adapters with CrossLink® interface for connecting miniature circuit breakers, 16 A, phase L3, with one fixed DIN rail, with conductors AWG 14 (2.5 mm²)

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EM-CPS-DA-18S/63A-L1 - Adapter

1089356

<https://www.phoenixcontact.com/us/products/1089356>



Single-position adapters with CrossLink® interface for connecting miniature circuit breakers, 63 A. Phase L1, with one fixed DIN rail, with conductors AWG 8 (10 mm²)

EM-CPS-DA-18S/63A-L2 - Adapter

1089442

<https://www.phoenixcontact.com/us/products/1089442>



Single-position adapters with CrossLink® interface for connecting miniature circuit breakers, 63 A. Phase L2, with one fixed DIN rail, with conductors AWG 8 (10 mm²)

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EM-CPS-DA-18S/63A-L3 - Adapter

1089446

<https://www.phoenixcontact.com/us/products/1089446>



Single-position adapters with CrossLink® interface for connecting miniature circuit breakers, 63 A. Phase L3, with one fixed DIN rail, with conductors AWG 8 (10 mm²)

EM-CPS-DA-45C/32A - Adapter

1002664

<https://www.phoenixcontact.com/us/products/1002664>



Comfort device adapter with CrossLink® interface and moveable DIN rail, rated current: 32 A

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EM-CPS-DA-45C/45A - Adapter

1003289

<https://www.phoenixcontact.com/us/products/1003289>



Comfort device adapter with CrossLink® interface and moveable DIN rail, rated current: 45 A

EM-CPS-DA-45S/32A - Adapter

1003292

<https://www.phoenixcontact.com/us/products/1003292>



Standard device adapter with CrossLink® interface and fixed DIN rail, rated current: 32 A

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EM-CPS-DHS-45 - Adapter

1003296

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Siemens device mount, positioning element for Siemens S0 and S00 switching devices

EM-CPS-NS35-135 - Adapter

1119259

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Adapter rail for the CrossPowerSystem power distribution board with integrated DIN rail for mounting distributor terminal blocks up to 35 mm²

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EM-CPS-PTFIX-135 - Adapter

1119251

<https://www.phoenixcontact.com/us/products/1119251>

Adapter rail for the CrossPowerSystem power distribution board with mounting for PTFIX distribution blocks



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