

# EM-CPS-405 - Power distribution board

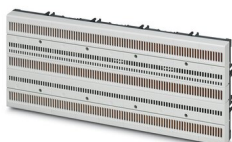


1002635

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

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Modular power distribution board with CrossLink<sup>®</sup> 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

### Product properties

Product type	Assembly adapter
Product family	CrossPowerSystem

### 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
	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: FILE E 123528



**cUL Listed**

Approval ID: FILE E 123528

**cULus Listed**

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC002498
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### UNSPSC

UNSPSC 21.0	39121100
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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## Accessories

### EM-CPS-TB3/63A - Connection module

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<https://www.phoenixcontact.com/us/products/1002633>



Connection module with integrated spring-loaded terminals for cables from 1.5 to 16 mm<sup>2</sup>, 3-pos., maximum 63 A

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### EM-CPS-TB3/125A - Connection module

1070299

<https://www.phoenixcontact.com/us/products/1070299>



Connection module with box terminals for conductors from 6 to 50 mm<sup>2</sup>, 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.

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## 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.

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## 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

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## 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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## EM-CPS-PS/3AC/24DC/20/8C/IOL - Power supply unit

1067898

<https://www.phoenixcontact.com/us/products/1067898>



Primary-switched power supply unit TRIO POWER, Snap-on connection, Cross Power System - installation, input: 3-phase, output: 24 V DC / 20 A

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

1151617

<https://www.phoenixcontact.com/us/products/1151617>



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

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## 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

1151613

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



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

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

1002668

<https://www.phoenixcontact.com/us/products/1002668>



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

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

1002666

<https://www.phoenixcontact.com/us/products/1002666>



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

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

1002665

<https://www.phoenixcontact.com/us/products/1002665>



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

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

1282859

<https://www.phoenixcontact.com/us/products/1282859>



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

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## 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 mm<sup>2</sup>)

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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 mm<sup>2</sup>)

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## 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 mm<sup>2</sup>)

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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 mm<sup>2</sup>)

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## 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 mm<sup>2</sup>)

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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 mm<sup>2</sup>)



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

1002664

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



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

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## 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

<https://www.phoenixcontact.com/us/products/1003296>



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

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## EM-CPS-NS35-135 - Adapter

1119259

<https://www.phoenixcontact.com/us/products/1119259>

Adapter rail for the CrossPowerSystem power distribution board with integrated DIN rail for mounting distributor terminal blocks up to 35 mm<sup>2</sup>



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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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