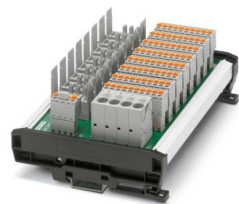


2801482

<https://www.phoenixcontact.com/us/products/2801482>

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Device circuit breaker boards for eight CB TM1... thermomagnetic circuit breakers with group remote signaling, central supply, and potential distribution for up to five loads per channel.

Commercial data

Item number	2801482
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL04
Product key	CLA211
Catalog page	Page 262 (C-6-2013)
GTIN	4046356782326
Weight per piece (including packing)	557 g
Weight per piece (excluding packing)	557 g
Customs tariff number	85362010
Country of origin	DE

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Technical data

Product properties

Product type	Device circuit breaker board
Type	DIN rail module, two-section, divisible
Number of positions	1
No. of channels	8

Data management status

Article revision	04
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Insulation characteristics

Protection class	III
Overvoltage category	II
Degree of pollution	2

Electrical properties

Fuse type	Automatic device
Maximum load current	60 A (Complete main circuit)
Maximum current with single arrangement	12 A (per channel)

General

Rated insulation voltage U_i	50 V DC
Rated surge voltage	0.5 kV
Short circuit stability	600 A (conditional according to DIN EN 50178)
Power dissipation	4.9 W (with even load on outputs with In)
Insertion/withdrawal cycles	50

Main circuit

Rated voltage	24 V DC
Rated current I_N	60 A DC (total)
	12 A DC (per channel)

Remote indication circuit

Rated voltage	24 V DC
Rated current I_N	1 A DC

Connection data

Maximum load current	60 A (Complete main circuit)
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Supply X21

Connection method	Push-in connection
Stripping length	18 mm
Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section, rigid min.	0.75 mm ²

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Conductor cross section, rigid max.	16 mm ²
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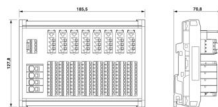
Outputs X1 ... X8

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	2.5 mm ²

Remote signaling X31

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	2.5 mm ²

Dimensions

Dimensional drawing	
Width	185.5 mm
Height	127.8 mm
Depth	70.8 mm

Material specifications

Color	gray (RAL 7042)
	black (RAL 9005)
Flammability rating according to UL 94	V0

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (Terminal blocks and fuse holders)
	IP00 (PCB)
Ambient temperature (operation)	-30 °C ... 60 °C (at In 60 A)
Ambient temperature (storage/transport)	-30 °C ... 80 °C

Standards and regulations

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Standards/specifications	DIN EN 50178
Note	1997

Mounting

Mounting type	DIN rail: 35 mm
Mounting position	horizontal

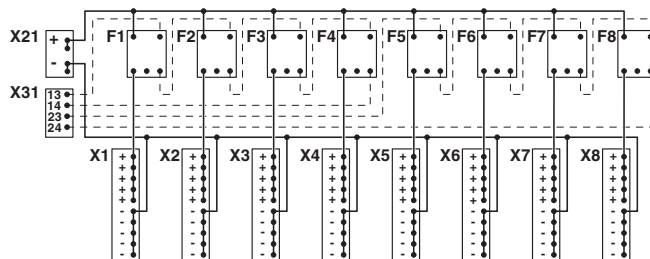
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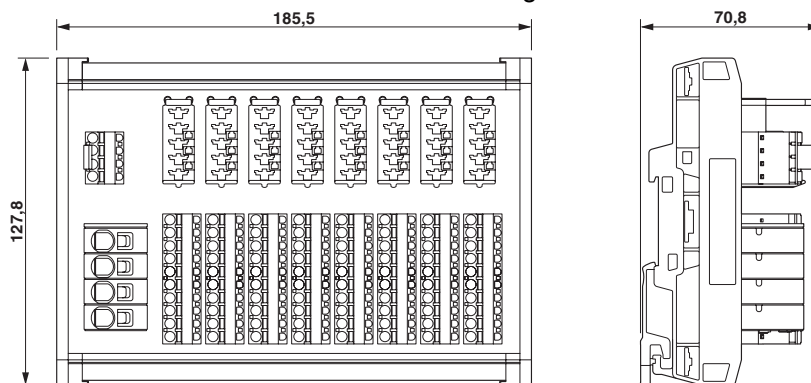
<https://www.phoenixcontact.com/us/products/2801482>

Drawings

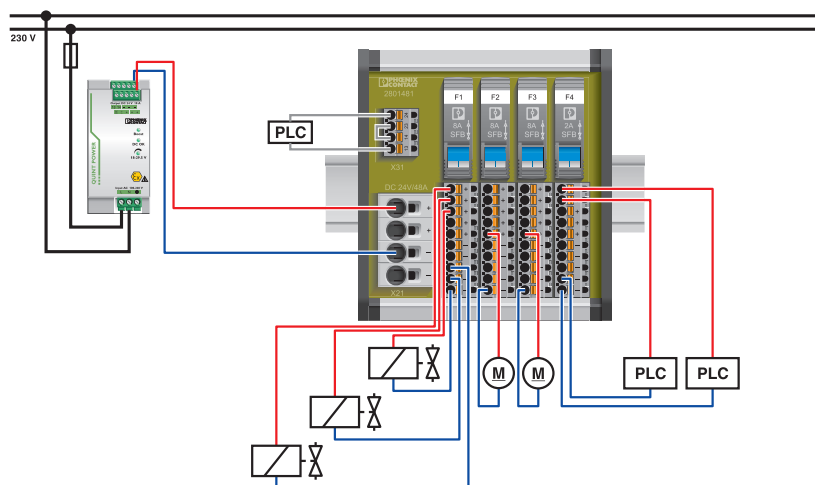
Circuit diagram



Dimensional drawing



Application drawing



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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2801482>



EAC

Approval ID: EAC-Zulassung



EAC

Approval ID: RU C-DE.*09.B.00169



EAC

Approval ID: RU C-DE.A*30.B01546



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Classifications

ECLASS

ECLASS-11.0	27371392
ECLASS-12.0	27371392
ECLASS-13.0	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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