

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

1471917

<https://www.phoenixcontact.com/us/products/1471917>



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Single-channel, electronic device protection for 48 V DC loads. Nominal current adjustable from 1-6 A. With floating remote indication contact. Can be combined with CLIPILINE terminal blocks. For installation on DIN rails.



## Your advantages

- Simple application setup due to bridging option to CLIPILINE complete terminal block system
- More space in the control cabinet: narrowest protection on just 6 mm width
- Flexible use and reduction of inventory due to adjustable amp values on each device for wide range of applications

## Commercial data

Item number	1471917
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL10
Product key	CLA135
GTIN	4063151880552
Weight per piece (including packing)	33.66 g
Weight per piece (excluding packing)	27.24 g
Customs tariff number	85363010
Country of origin	DE

## Technical data

### Notes

#### General

Note	Repeated hard short circuits can reduce the melting integral of the integrated backup fuse.
	This device is not a switching device acc. to UL508

### Product properties

Product family	PTCB
Type	DIN rail module, one-piece
Number of positions	1

#### Data management status

Article revision	01
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#### Insulation characteristics

Protection class	III
Pollution degree	2

### Electrical properties

#### General

Operating voltage	30 V DC ... 56 V DC
Rated voltage	48 V DC
Rated current $I_N$	20 A DC (Total current input) 6 A DC (Rated current output)
Rated current $I_N$	1 / 2 / 3 / 4 / 5 / 6 A DC (adjustable)
Rated current (pre-adjusted)	4 A
Rated surge voltage	0.5 kV
Tripping method	E (electronic)
Feedback resistance	max. 60 V DC
Required backup fuse	Only required if $I_{max}$ of the power supply > the short-circuit switching capacity. Integrated failsafe element.
Short-circuit switching capacity	300 A
Dielectric strength	max. 60 V DC (Load circuit)
Fuse	electronic
Efficiency	> 99 %
Closed circuit current $I_0$	typ. 10 mA
Power dissipation	typ. 0.5 W (No-load operation) < 2.3 W (Nominal operation)
Module initialization time	< 350 ms
Waiting time after switch off of a channel	5 s (at overload / short circuit)
Measuring tolerance I	± 15 %
	12 A (Total current at 60°C)

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Temperature derating	20 A (Total current at 30°C) 6 A (Channel current at 60°C) 4 A (Channel current at 30°C)
MTBF (IEC 61709, SN 29500)	18684603 h (at 25 °C with 21 % load) 6612007 h (at 40°C with 34.25% load) 1140836 h (at 30° C with 100 % load)
Voltage drop	0.3 V (at 6 A)
Fail-safe element	15 A DC

## Load circuit

Shutdown time	≤ 10 ms (For short circuit $> 3.0 \times I_N$ ) ≤ 50 ms (with overload $> 2.0 \times I_N$ ) ≤ 1 s (with overload 1.5...2.0 $\times I_N$ ) ≤ 4 s (with overload 1.1...1.5 $\times I_N$ )
Undervoltage switch-off	≤ 28.5 V DC (active) ≥ 29.5 V DC (inactive)
Ovvervoltage switch-off	≥ 56.5 V DC (active) ≤ 55.5 V DC (inactive)
Max. capacitive load	10000 $\mu$ F (Depending on the current setting and the available short-circuit current, e.g., 3 mF at 48 V DC and 0.1 ohm cable)

## Indicator/remote signaling

Connection name	Remote indication circuit
Switching function	N/O contact
Operating voltage	0 V DC ... 56 V DC
Operating current	100 mA DC

## Connection data

### Main circuit IN+

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Main circuit IN-

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
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## Main circuit OUT

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

## Remote indication circuit

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 14
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

## Signaling

Channel LED off	off (Channel switched off)
Channel LED yellow	lit (Channel switched on, channel load > 80% )
Channel LED green	flashing (Programming mode active)
Channel LED red	lit (Channel switched on)
	lit (Channel switched off, over- or undervoltage active)
	ON temporarily (Channel switched off, 5 s cool-down phase, overload or short-circuit release)
	flashing (Channel switched off, ready to be switched back on, overload or short-circuit release)
	flashing quickly (Channel switched off, external voltage at the output, possible installation error)
Channel LED red-yellow	flashing (Overtemperature)

## Dimensions

Dimensional drawing	
Width	6.2 mm
Height	105.8 mm
Depth	55.6 mm (incl. DIN rail 7.5 mm)

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## Material specifications

Color	gray (RAL 7042)
Material	PBT
Flammability rating according to UL 94	V-0

## Mechanical properties

Mechanical data	
Open side panel	No

## Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-30 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 3000 m up to 52 °C (amsl) ≤ 4000 m up to 46 °C (amsl)
Humidity test	96 h, 95 % RH, 40 °C
Shock (operation)	30g (IEC 60068-2-27, Test Ea)
Vibration (operation)	10 Hz ... 59.6 Hz (Amplitude ±0.35 mm; in accordance with IEC 60068-2-6, Test Fc) 59.6 Hz ... 150 Hz (Acceleration 5g; in accordance with IEC 60068-2-6, Test Fc) 5 Hz ... 100 Hz (Resonance search 4g; resonance frequency 4g; 90 min in accordance with DNV GL Class B)

## Approvals

UL approval	
Identification	UL/C-UL Listed UL 508
	UL Recognized UL 2367

## Standards and regulations

Standards/specifications	EN 61000-6-2
Note	EMC – Immunity for industrial areas
Standards/specifications	EN 61000-6-3
Note	EMC – Emission for residential, business and commercial properties and small operations
Standards/specifications	EN 60068-2-78
Note	Environmental influences – Moisture and heat, constant
Standards/specifications	EN 50178
Note	Equipping power installations with electronic equipment
Standards/specifications	EN 60068-2-6
Note	Environmental influences – Vibrations (sinusoidal)

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Standards/specifications	EN 60068-2-27
Note	Environmental influences – Shocks
Standards/specifications	EN 60068-2-30
Note	Environmental influences – Part 2–30: Tests – Test Db: Damp heat, cyclical

## Mounting

Mounting type	DIN rail: 35 mm
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# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

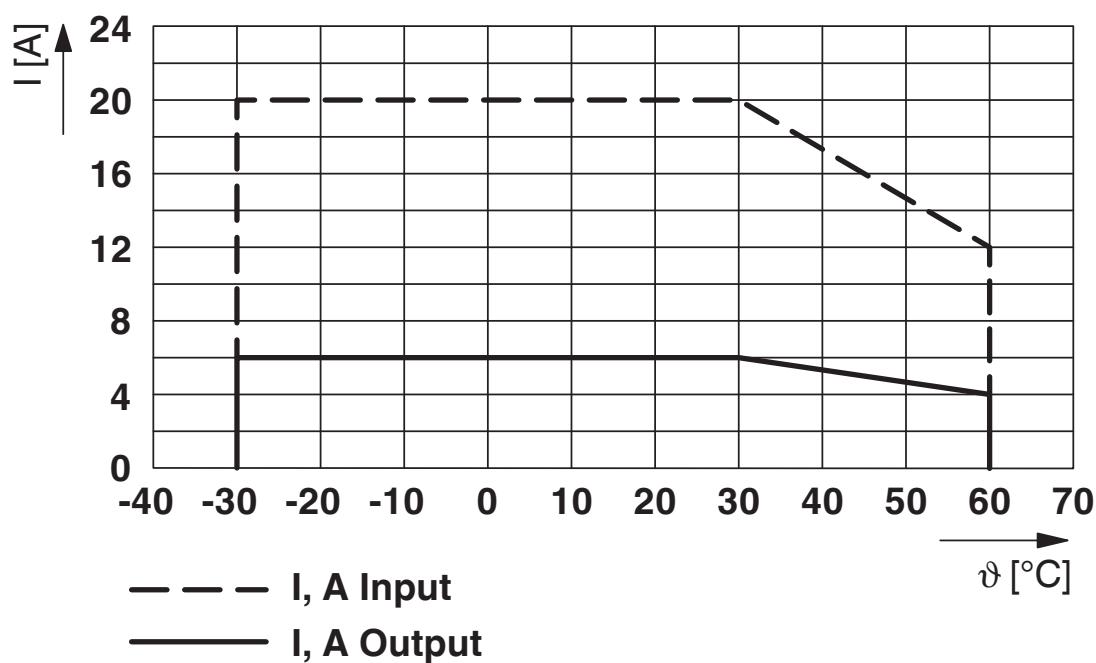
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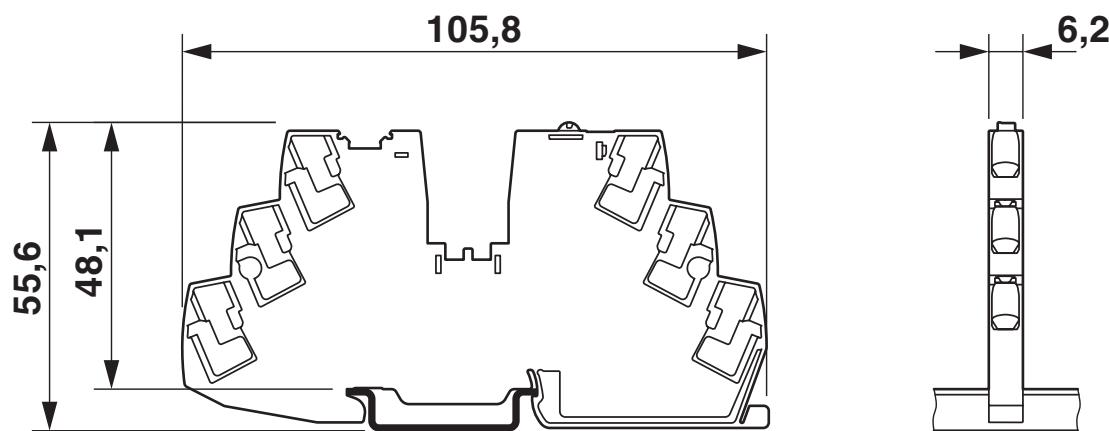
## Drawings

Diagram



Total current of input and channel current of output

Dimensional drawing



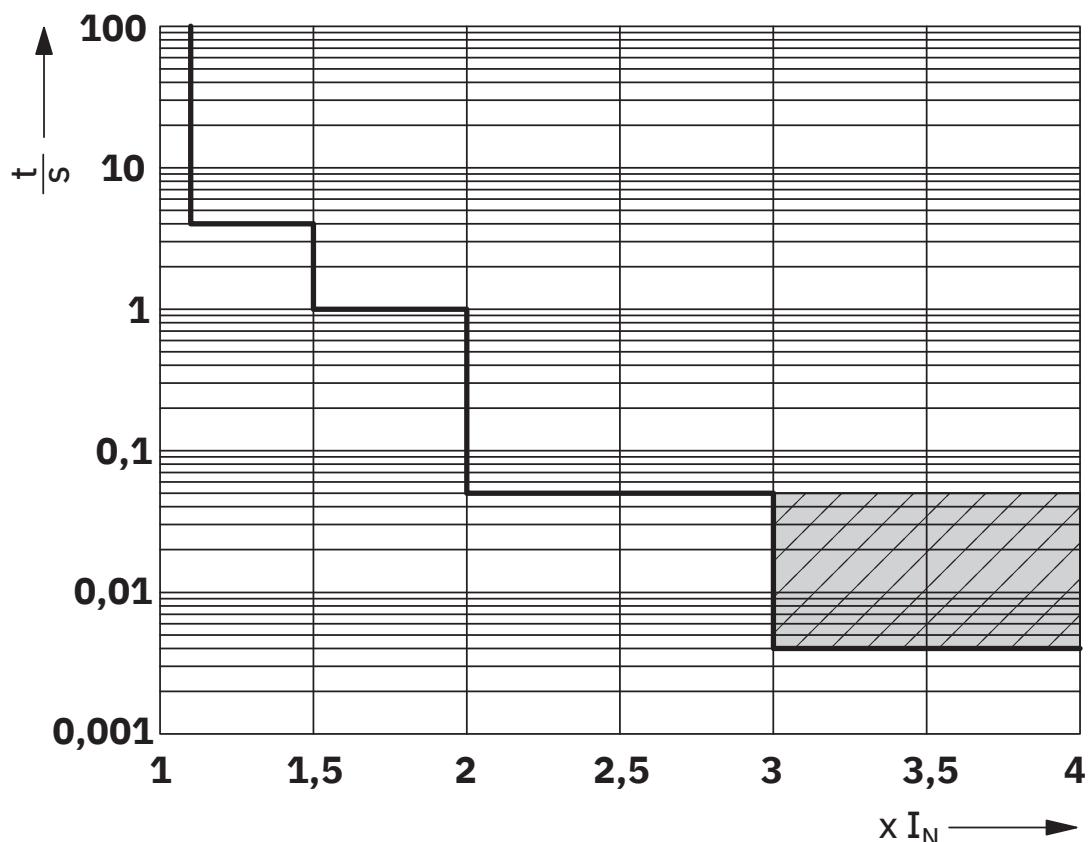
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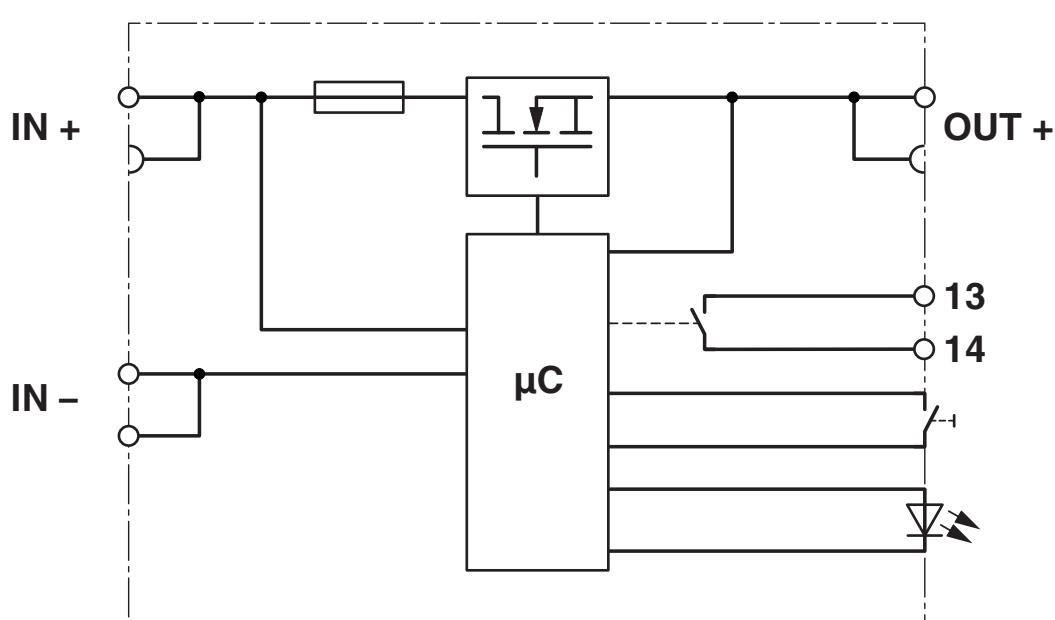
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Diagram



Block diagram



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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1471917>



**UL Listed**

Approval ID: E123528



**cUL Listed**

Approval ID: E123528



**UL Recognized**

Approval ID: E317172

**cULus Listed**

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## Classifications

### ECLASS

ECLASS-11.0	27140401
ECLASS-12.0	27140401
ECLASS-13.0	27140401

### ETIM

ETIM 9.0	EC003538
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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## Accessories

 Note: Applying some accessories below might limit this product.

### FBS 2-6 - Plug-in bridge

3030336

<https://www.phoenixcontact.com/us/products/3030336>

Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: red



 Max. current carrying capacity: 32 A

### FBS 3-6 - Plug-in bridge

3030242

<https://www.phoenixcontact.com/us/products/3030242>

Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: red



 Max. current carrying capacity: 32 A

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## FBS 4-6 - Plug-in bridge

3030255

<https://www.phoenixcontact.com/us/products/3030255>

Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: red



Max. current carrying capacity: 32 A

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## FBS 5-6 - Plug-in bridge

3030349

<https://www.phoenixcontact.com/us/products/3030349>

Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: red



Max. current carrying capacity: 32 A

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## FBS 10-6 - Plug-in bridge

3030271

<https://www.phoenixcontact.com/us/products/3030271>

Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: red



Max. current carrying capacity: 32 A

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## FBS 20-6 - Plug-in bridge

3030365

<https://www.phoenixcontact.com/us/products/3030365>

Plug-in bridge, pitch: 6.2 mm, number of positions: 20, color: red



Max. current carrying capacity: 32 A

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## FBS 50-6 - Plug-in bridge

3032224

<https://www.phoenixcontact.com/us/products/3032224>



Plug-in bridge, pitch: 6.2 mm, number of positions: 50, color: red

- i Max. current carrying capacity: 32 A

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## FBS 2-6 BU - Plug-in bridge

3036932

<https://www.phoenixcontact.com/us/products/3036932>

Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: blue



- i Max. current carrying capacity: 32 A

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## FBS 3-6 BU - Plug-in bridge

3036945

<https://www.phoenixcontact.com/us/products/3036945>

Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: blue



Max. current carrying capacity: 32 A

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## FBS 4-6 BU - Plug-in bridge

3036958

<https://www.phoenixcontact.com/us/products/3036958>

Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: blue



Max. current carrying capacity: 32 A

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## FBS 5-6 BU - Plug-in bridge

3036961

<https://www.phoenixcontact.com/us/products/3036961>

Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: blue



Max. current carrying capacity: 32 A

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## FBS 10-6 BU - Plug-in bridge

3032198

<https://www.phoenixcontact.com/us/products/3032198>

Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: blue



Max. current carrying capacity: 32 A

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# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

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## FBS 20-6 BU - Plug-in bridge

3032208

<https://www.phoenixcontact.com/us/products/3032208>

Plug-in bridge, pitch: 6.2 mm, number of positions: 20, color: blue



Max. current carrying capacity: 32 A

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## FBS 50-6 BU - Plug-in bridge

3032211

<https://www.phoenixcontact.com/us/products/3032211>

Plug-in bridge, pitch: 6.2 mm, number of positions: 50, color: blue



Max. current carrying capacity: 32 A

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## FBS 2-6 GY - Plug-in bridge

3032237

<https://www.phoenixcontact.com/us/products/3032237>

Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: gray



 Max. current carrying capacity: 32 A

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## FBS 3-6 GY - Plug-in bridge

3032240

<https://www.phoenixcontact.com/us/products/3032240>

Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: gray



 Max. current carrying capacity: 32 A

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# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



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<https://www.phoenixcontact.com/us/products/1471917>

## FBS 4-6 GY - Plug-in bridge

3032279

<https://www.phoenixcontact.com/us/products/3032279>

Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: gray



Max. current carrying capacity: 32 A

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## FBS 5-6 GY - Plug-in bridge

3032266

<https://www.phoenixcontact.com/us/products/3032266>

Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: gray



Max. current carrying capacity: 32 A

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# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



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## FBS 2-5 - Plug-in bridge

3030161

<https://www.phoenixcontact.com/us/products/3030161>

Plug-in bridge, pitch: 5.2 mm, number of positions: 2, length: 23 mm, color: red



Max. current carrying capacity: 24 A

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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



Max. current carrying capacity: 24 A

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# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

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## FBS 4-5 - Plug-in bridge

3030187

<https://www.phoenixcontact.com/us/products/3030187>

Plug-in bridge, pitch: 5.2 mm, number of positions: 4, length: 23 mm, color: red



Max. current carrying capacity: 24 A

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## FBS 5-5 - Plug-in bridge

3030190

<https://www.phoenixcontact.com/us/products/3030190>

Plug-in bridge, pitch: 5.2 mm, number of positions: 5, length: 23 mm, color: red



Max. current carrying capacity: 24 A

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## FBS 10-5 - Plug-in bridge

3030213

<https://www.phoenixcontact.com/us/products/3030213>

Plug-in bridge, pitch: 5.2 mm, number of positions: 10, length: 23 mm, color: red



Max. current carrying capacity: 24 A

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## FBS 20-5 - Plug-in bridge

3030226

<https://www.phoenixcontact.com/us/products/3030226>

Plug-in bridge, pitch: 5.2 mm, number of positions: 20, color: red



Max. current carrying capacity: 24 A

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## FBS 50-5 - Plug-in bridge

3038930

<https://www.phoenixcontact.com/us/products/3038930>

Plug-in bridge, pitch: 5.2 mm, number of positions: 50, color: red



Max. current carrying capacity: 24 A

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## FBS 2-5 BU - Plug-in bridge

3036877

<https://www.phoenixcontact.com/us/products/3036877>

Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: blue



Max. current carrying capacity: 24 A

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# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



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## FBS 3-5 BU - Plug-in bridge

3036880

<https://www.phoenixcontact.com/us/products/3036880>

Plug-in bridge, pitch: 5.2 mm, number of positions: 3, color: blue



Max. current carrying capacity: 24 A

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## FBS 4-5 BU - Plug-in bridge

3036893

<https://www.phoenixcontact.com/us/products/3036893>

Plug-in bridge, pitch: 5.2 mm, number of positions: 4, color: blue



Max. current carrying capacity: 24 A

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# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

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## FBS 5-5 BU - Plug-in bridge

3036903

<https://www.phoenixcontact.com/us/products/3036903>

Plug-in bridge, pitch: 5.2 mm, number of positions: 5, color: blue



Max. current carrying capacity: 24 A

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## FBS 10-5 BU - Plug-in bridge

3036916

<https://www.phoenixcontact.com/us/products/3036916>

Plug-in bridge, pitch: 5.2 mm, number of positions: 10, color: blue



Max. current carrying capacity: 24 A

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## FBS 20-5 BU - Plug-in bridge

3036929

<https://www.phoenixcontact.com/us/products/3036929>

Plug-in bridge, pitch: 5.2 mm, number of positions: 20, color: blue



Max. current carrying capacity: 24 A

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## FBS 50-5 BU - Plug-in bridge

3032114

<https://www.phoenixcontact.com/us/products/3032114>

Plug-in bridge, pitch: 5.2 mm, number of positions: 50, color: blue



Max. current carrying capacity: 24 A

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## FBS 2-5 GY - Plug-in bridge

3038969

<https://www.phoenixcontact.com/us/products/3038969>

Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: gray



Max. current carrying capacity: 24 A

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## FBS 3-5 GY - Plug-in bridge

3038972

<https://www.phoenixcontact.com/us/products/3038972>

Plug-in bridge, pitch: 5.2 mm, number of positions: 3, color: gray



Max. current carrying capacity: 24 A

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## FBS 4-5 GY - Plug-in bridge

3038985

<https://www.phoenixcontact.com/us/products/3038985>

Plug-in bridge, pitch: 5.2 mm, number of positions: 4, color: gray



Max. current carrying capacity: 24 A

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## FBS 5-5 GY - Plug-in bridge

3038998

<https://www.phoenixcontact.com/us/products/3038998>

Plug-in bridge, pitch: 5.2 mm, number of positions: 5, color: gray



Max. current carrying capacity: 24 A

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## RB ST 10-(2,5/4) - Reducing bridge

3030873

<https://www.phoenixcontact.com/us/products/3030873>

Reducing bridge, pitch: 10 mm, number of positions: 2, length: 36 mm, color: red



## PT 4 - Feed-through terminal block

3211757

<https://www.phoenixcontact.com/us/products/3211757>

Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, connection method: Push-in connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray



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## PT 4-TWIN - Feed-through terminal block

3211771

<https://www.phoenixcontact.com/us/products/3211771>

Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 3, connection method: Push-in connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray



## PT 4-QUATTRO - Feed-through terminal block

3211797

<https://www.phoenixcontact.com/us/products/3211797>

Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 4, connection method: Push-in connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray



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## ST 4 - Feed-through terminal block

3031364

<https://www.phoenixcontact.com/us/products/3031364>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## ST 4-TWIN - Feed-through terminal block

3031393

<https://www.phoenixcontact.com/us/products/3031393>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 3, connection method: Spring-cage connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## ST 4-QUATTRO - Feed-through terminal block

3031445

<https://www.phoenixcontact.com/us/products/3031445>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 4, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## QTC 2,5 - Feed-through terminal block

3206416

<https://www.phoenixcontact.com/us/products/3206416>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



1471917

<https://www.phoenixcontact.com/us/products/1471917>

## QTC 2,5-TWIN - Feed-through terminal block

3206445

<https://www.phoenixcontact.com/us/products/3206445>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 3, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: gray

## QTC 2,5-QUATTRO - Feed-through terminal block

3206446

<https://www.phoenixcontact.com/us/products/3206446>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 4, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: gray

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



1471917

<https://www.phoenixcontact.com/us/products/1471917>

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

3209510

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

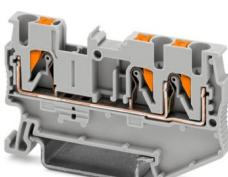


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: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

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

3209549

<https://www.phoenixcontact.com/us/products/3209549>



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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



1471917

<https://www.phoenixcontact.com/us/products/1471917>

## PT 2,5-QUATTRO - Feed-through terminal block

3209578

<https://www.phoenixcontact.com/us/products/3209578>

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



## ST 2,5 - Feed-through terminal block

3031212

<https://www.phoenixcontact.com/us/products/3031212>

Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, connection method: Spring-cage connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray



# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



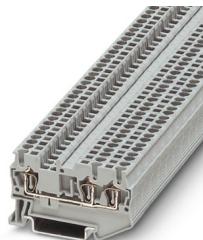
1471917

<https://www.phoenixcontact.com/us/products/1471917>

## ST 2,5-TWIN - Feed-through terminal block

3031241

<https://www.phoenixcontact.com/us/products/3031241>

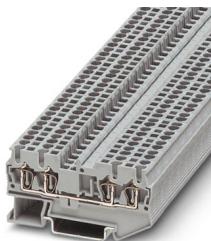


Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 3, connection method: Spring-cage connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## ST 2,5-QUATTRO - Feed-through terminal block

3031306

<https://www.phoenixcontact.com/us/products/3031306>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 4, connection method: Spring-cage connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



1471917

<https://www.phoenixcontact.com/us/products/1471917>

## QTC 1,5 - Feed-through terminal block

3205019

<https://www.phoenixcontact.com/us/products/3205019>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, number of connections: 2, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## QTC 1,5-TWIN - Feed-through terminal block

3205048

<https://www.phoenixcontact.com/us/products/3205048>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, number of connections: 3, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: gray

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



1471917

<https://www.phoenixcontact.com/us/products/1471917>

## QTC 1,5-QUATTRO - Feed-through terminal block

3205077

<https://www.phoenixcontact.com/us/products/3205077>



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, number of connections: 4, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: gray

## PT 10 - Feed-through terminal block

3212120

<https://www.phoenixcontact.com/us/products/3212120>



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, number of connections: 2, connection method: Push-in connection, Rated cross section: 10 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

1471917

<https://www.phoenixcontact.com/us/products/1471917>



## ST 10 - Feed-through terminal block

3036110

<https://www.phoenixcontact.com/us/products/3036110>



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, number of connections: 2, connection method: Spring-cage connection, Rated cross section: 10 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 16 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## ZB 6:UNBEDRUCKT - Zack marker strip

1051003

<https://www.phoenixcontact.com/us/products/1051003>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker



1471917

<https://www.phoenixcontact.com/us/products/1471917>

## ZBF 6:UNBEDRUCKT - Zack Marker strip, flat

0808710

<https://www.phoenixcontact.com/us/products/0808710>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

## UCT-TM 6 - Marker for terminal blocks

0828736

<https://www.phoenixcontact.com/us/products/0828736>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

1471917

<https://www.phoenixcontact.com/us/products/1471917>



## UCT-TM 6 CUS - Marker for terminal blocks

0829602

<https://www.phoenixcontact.com/us/products/0829602>

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60



## US-TML (104X3,8) - Marker for terminal blocks

0830768

<https://www.phoenixcontact.com/us/products/0830768>

Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 104 x 3.8 mm, Number of individual labels: 22



# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

1471917

<https://www.phoenixcontact.com/us/products/1471917>



TTC-6P-T3-24DC-PT-I - Type 3 surge protection device

1027586

<https://www.phoenixcontact.com/us/products/1027586>

Type 3 surge protection, consisting of protective plug and base element, with integrated status indicator for 24 V DC power supplies



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DB 50- 90 BK - Wire bridge

2820916

<https://www.phoenixcontact.com/us/products/2820916>

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm<sup>2</sup>, loop length: 90 mm, ferrule length: 8 mm, color: black



# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

1471917

<https://www.phoenixcontact.com/us/products/1471917>



## DB 50- 90 BU - Wire bridge

2821180

<https://www.phoenixcontact.com/us/products/2821180>

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm<sup>2</sup>, loop length: 90 mm, ferrule length: 8 mm, color: blue



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## DB 50- 90 GY - Wire bridge

2820929

<https://www.phoenixcontact.com/us/products/2820929>

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm<sup>2</sup>, loop length: 90 mm, ferrule length: 8 mm, color: gray



# PTCB E1 48DC/1-6A NO - Electronic circuit breaker

1471917

<https://www.phoenixcontact.com/us/products/1471917>



## DB 50- 90 RD - Wire bridge

2864639

<https://www.phoenixcontact.com/us/products/2864639>

Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm<sup>2</sup>, loop length: 90 mm, ferrule length: 8 mm, color: red



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