

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R

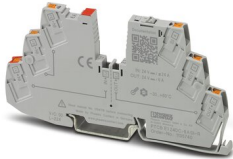


1135740

<https://www.phoenixcontact.com/us/products/1135740>

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1-channel, electronic fuse for protecting 24 V loads. Easy potential distribution with terminal blocks from the CLIPLINE complete system. With status output, reset input, and electronic interlock. For installation on DIN rails.



## Your advantages

- Simple application setup due to bridging option to CLIPLINE complete terminal block system
- More space in the control cabinet: narrowest protection on just 6 mm width
- Individual setup for suitable protection, exactly according to your requirements
- Enhanced diagnostic and control options, thanks to integrated status output and reset input

## Commercial Data

Item number	1135740
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C32
Product Key	CLA135
GTIN	4063151069612
Weight per Piece (including packing)	44.32 g
Weight per Piece (excluding packing)	27.5 g
Customs tariff number	85363010
Country of origin	DE

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## Technical Data

### Notes

#### General

Note	EN 50121-3-2: Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock – Apparatus
	Connection for signal line tested in accordance with EN 61000-4-4 with 1 kV; if necessary, customer must provide appropriate protective measures
	Repeated hard short circuits can reduce the melting integral of the integrated backup fuse.

### Product properties

Type	DIN rail module, one-piece
Product type	Device circuit breakers
Number of positions	1

#### Insulation characteristics

Protection class	III
Pollution degree	2

### Electrical properties

#### General

Operating voltage	18 V DC ... 30 V DC
Rated voltage	24 V DC
Rated current $I_N$	24 A DC (Total current input) 6 A DC (Rated current output)
Rated current (pre-adjusted)	6 A
Rated surge voltage	0.5 kV
Tripping method	E (electronic)
Feedback resistance	max. 35 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. 35 V DC (Load circuit)
Fuse	electronic
Efficiency	> 99 %
Closed circuit current $I_0$	typ. 8 mA
Power dissipation	typ. 0.15 W (No-load operation) < 1.4 W (Nominal operation)
Module initialization time	1 s
Waiting time after switch off of a channel	5 s (at overload / short circuit)
Measuring tolerance I	± 15 % 21 A (Total current at 60°C)

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Temperature derating	24 A (Total current at 50°C)
	6 A (Channel current at 60°C)
	6 A (Channel current at 50°C)
MTBF (IEC 61709, SN 29500)	26315789 h (at 25 °C with 21 % load)
	11904761 h (at 40°C with 34.25% load)
	1369863 h (at 60°C with 100% load)
Voltage drop	0.16 V (at 6 A)
Fail-safe element	15 A DC
Shutdown time	≤ 10 ms (for short circuit > 2.0 x I <sub>N</sub> )
	1 s (1.2 ... 2.0 x I <sub>N</sub> )
Undervoltage switch-off	≤ 17.8 V DC (active)
	≥ 18.8 V DC (inactive)
Overvoltage switch-off	≥ 30.5 V DC (active)
	≤ 29.5 V DC (inactive)
Max. capacitive load	34000 µF (Depending on the current setting and the short-circuit current available)
Input voltage range	7 V DC ... 30 V DC (Reset with falling edge)
Current consumption	typ. 0.4 mA (at 24 V DC)
Pulse length	≥ 50 ms (High)
	≥ 50 ms (Low)
Voltage	< 5 V DC (Low state)
	> 8 V DC (High state)
Stripping length	8 mm
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Output voltage	24 V DC (Error)
	0 V DC (no error)
Output current	max. 0.015 A (Short-circuit-proof)
Stripping length	8 mm
Conductor cross section solid	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	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

## 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 solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>

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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>
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## Main circuit IN+

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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>

## LED signaling

Channel LED off	off (Channel switched off)
Channel LED yellow	lit (Channel switched on, channel load > 80%) flashing (Programming mode active)
Channel LED green	lit (Channel switched on)
Channel LED red	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)

## 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	traffic grey A RAL 7042
Material	PBT (Housing)
	PBT (Pusher)
Flammability rating according to UL 94	V-0

## 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 (above mean sea level))
	≤ 4000 m up to 46 °C (amsl (above mean sea level))
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)

## Approval data

### UL approval

Identification	UL/C-UL Listed UL 508
	UL Recognized UL 2367
	UL/C-UL Listed ANSI/UL 121201 Class I, Division 2, Groups A, B, C, D; T4 (Hazardous Location)

### Shipbuilding approval

Identification	DNV GL
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### DNV GL data

Temperature	D
Humidity	B
Vibration	B
EMC	B
Enclosure	A

## Standards and regulations

Standards/specifications	EN 61000-6-2
Standards/specifications	EN 61000-6-3
Standards/specifications	EN 60068-2-78
Standards/specifications	EN 50178
Standards/specifications	EN 60068-2-6

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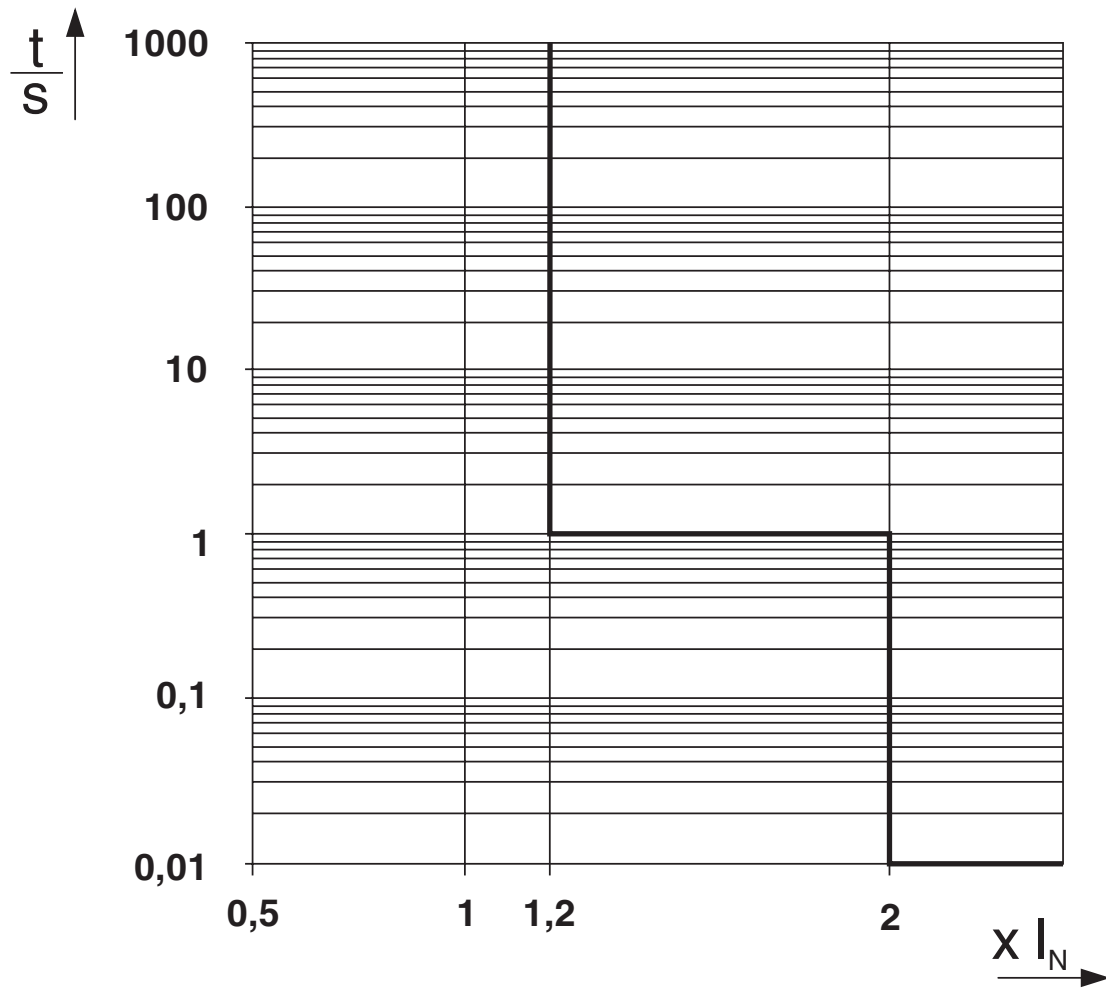
Standards/specifications	EN 60068-2-27
Standards/specifications	EN 60068-2-30
Standards/specifications	EN 61373
Standards/specifications	EN 45545-2

## Mounting

Mounting type	DIN rail: 35 mm
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## Drawings

Diagram



Trigger characteristic in the DC range

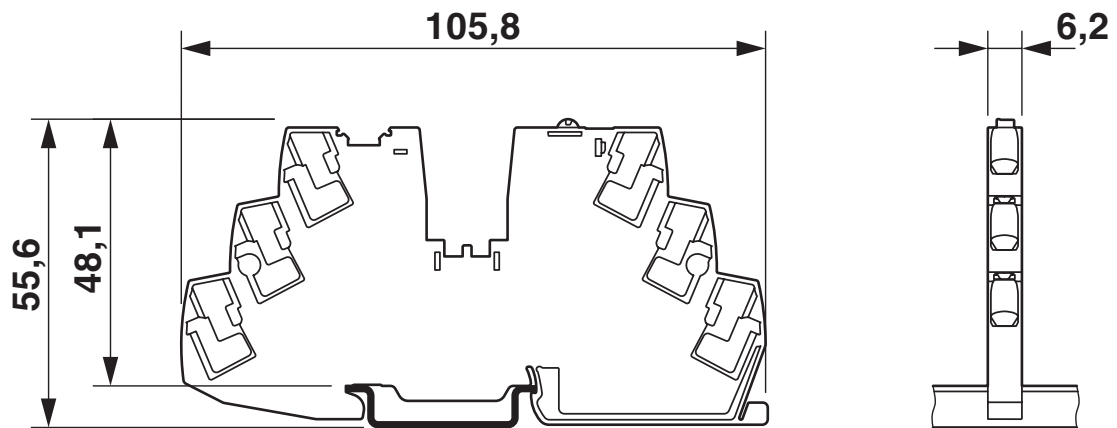
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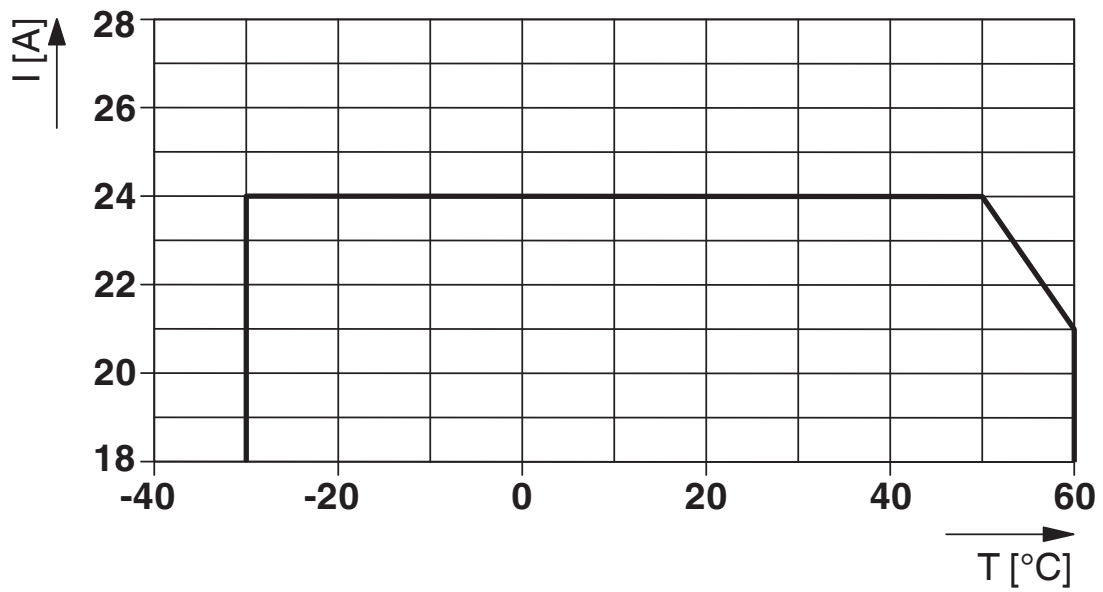
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Dimensional drawing



Diagram



Total current input



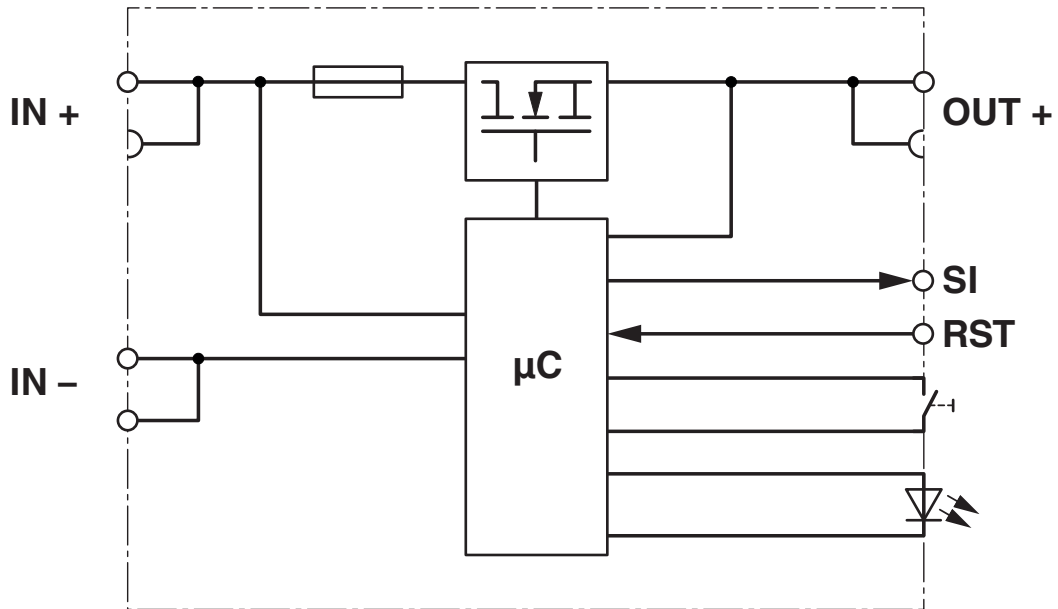
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Block diagram



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## Approvals



**UL Recognized**

Approval ID: FILE E 317172



**DNV GL**

Approval ID: TAE00003UT

Nominal Voltage  $U_N$

Nominal Current  $I_N$

Cross Section AWG

Cross Section  $\text{mm}^2$

-

-



**UL Listed**

Approval ID: FILE E 123528



**cUL Listed**

Approval ID: FILE E 123528



**UL Recognized**

Approval ID: FILE E 324415



**cUL Listed**

Approval ID: FILE E 483407



**UL Listed**

Approval ID: FILE E 483407

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## Classifications

### ECLASS

ECLASS-9.0	27141116
ECLASS-10.0.1	27140401
ECLASS-11.0	27140401

### ETIM

ETIM 8.0	EC003538
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental Product Compliance


REACH SVHC

Lead 7439-92-1

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## Accessories

 Note: Applying some accessories below might limit this product.

### Plug-in bridge

Plug-in bridge - FBS 2-6 - 3030336

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



Plug-in bridge, pitch: 6.2 mm, color: red

 Max. current carrying capacity: 32 A

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### Plug-in bridge

Plug-in bridge - FBS 3-6 - 3030242

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



Plug-in bridge, pitch: 6.2 mm, color: red

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 4-6 - 3030255

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



Plug-in bridge, pitch: 6.2 mm, color: red

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 5-6 - 3030349

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



Plug-in bridge, pitch: 6.2 mm, color: red

 Max. current carrying capacity: 32 A

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<https://www.phoenixcontact.com/us/products/1135740>

## Plug-in bridge

Plug-in bridge - FBS 10-6 - 3030271

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



Plug-in bridge, pitch: 6.2 mm, color: red

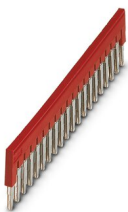
 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 20-6 - 3030365

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



Plug-in bridge, pitch: 6.2 mm, color: red

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 50-6 - 3032224

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



Plug-in bridge, pitch: 6.2 mm, color: red

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 2-6 BU - 3036932

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



Plug-in bridge, pitch: 6.2 mm, color: blue

 Max. current carrying capacity: 32 A



# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Plug-in bridge

Plug-in bridge - FBS 3-6 BU - 3036945

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



Plug-in bridge, pitch: 6.2 mm, color: blue

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 4-6 BU - 3036958

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



Plug-in bridge, pitch: 6.2 mm, color: blue

 Max. current carrying capacity: 32 A

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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<https://www.phoenixcontact.com/us/products/1135740>

## Plug-in bridge

Plug-in bridge - FBS 5-6 BU - 3036961

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



Plug-in bridge, pitch: 6.2 mm, color: blue

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 10-6 BU - 3032198

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



Plug-in bridge, pitch: 6.2 mm, color: blue

 Max. current carrying capacity: 32 A

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



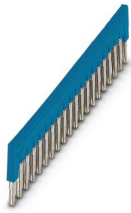
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<https://www.phoenixcontact.com/us/products/1135740>

## Plug-in bridge

Plug-in bridge - FBS 20-6 BU - 3032208

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



Plug-in bridge, pitch: 6.2 mm, color: blue

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 50-6 BU - 3032211

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



Plug-in bridge, pitch: 6.2 mm, color: blue

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 2-6 GY - 3032237

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



Plug-in bridge, pitch: 6.2 mm, color: gray

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 3-6 GY - 3032240

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



Plug-in bridge, pitch: 6.2 mm, color: gray

 Max. current carrying capacity: 32 A

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# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Plug-in bridge

Plug-in bridge - FBS 4-6 GY - 3032279

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



Plug-in bridge, pitch: 6.2 mm, color: gray

 Max. current carrying capacity: 32 A

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## Plug-in bridge

Plug-in bridge - FBS 5-6 GY - 3032266

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



Plug-in bridge, pitch: 6.2 mm, color: gray

 Max. current carrying capacity: 32 A

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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<https://www.phoenixcontact.com/us/products/1135740>

## Plug-in bridge

Plug-in bridge - FBS 2-5 - 3030161

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



Plug-in bridge, pitch: 5.2 mm, color: red

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 3-5 - 3030174

<https://www.phoenixcontact.com/us/products/3030174>



Plug-in bridge, pitch: 5.2 mm, color: red

 Max. current carrying capacity: 24 A

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# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Plug-in bridge

Plug-in bridge - FBS 4-5 - 3030187

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



Plug-in bridge, pitch: 5.2 mm, color: red

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 5-5 - 3030190

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



Plug-in bridge, pitch: 5.2 mm, color: red

 Max. current carrying capacity: 24 A

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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<https://www.phoenixcontact.com/us/products/1135740>

## Plug-in bridge

Plug-in bridge - FBS 10-5 - 3030213

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



Plug-in bridge, pitch: 5.2 mm, color: red

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 20-5 - 3030226

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



Plug-in bridge, pitch: 5.2 mm, color: red

 Max. current carrying capacity: 24 A



# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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<https://www.phoenixcontact.com/us/products/1135740>

## Plug-in bridge

Plug-in bridge - FBS 50-5 - 3038930

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



Plug-in bridge, pitch: 5.2 mm, color: red

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 2-5 BU - 3036877

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



Plug-in bridge, pitch: 5.2 mm, color: blue

 Max. current carrying capacity: 24 A

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Plug-in bridge

Plug-in bridge - FBS 3-5 BU - 3036880

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



Plug-in bridge, pitch: 5.2 mm, color: blue

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 4-5 BU - 3036893

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



Plug-in bridge, pitch: 5.2 mm, color: blue

 Max. current carrying capacity: 24 A

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# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Plug-in bridge

Plug-in bridge - FBS 5-5 BU - 3036903

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



Plug-in bridge, pitch: 5.2 mm, color: blue

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 10-5 BU - 3036916

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



Plug-in bridge, pitch: 5.2 mm, color: blue

 Max. current carrying capacity: 24 A

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Plug-in bridge

Plug-in bridge - FBS 20-5 BU - 3036929

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



Plug-in bridge, pitch: 5.2 mm, color: blue

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 50-5 BU - 3032114

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



Plug-in bridge, Version with single- or double-sided cutting edge. Please keep in mind the possible impact on touch protection as well as air clearances and creepage distances., pitch: 5.2 mm, color: blue

 Max. current carrying capacity: 24 A

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Plug-in bridge

Plug-in bridge - FBS 2-5 GY - 3038969

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



Plug-in bridge, pitch: 5.2 mm, color: gray

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 3-5 GY - 3038972

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



Plug-in bridge, pitch: 5.2 mm, color: gray

 Max. current carrying capacity: 24 A

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# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Plug-in bridge

Plug-in bridge - FBS 4-5 GY - 3038985

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



Plug-in bridge, pitch: 5.2 mm, color: gray

 Max. current carrying capacity: 24 A

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## Plug-in bridge

Plug-in bridge - FBS 5-5 GY - 3038998

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



Plug-in bridge, pitch: 5.2 mm, color: gray

 Max. current carrying capacity: 24 A

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# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



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## Reducing bridge

Reducing bridge - RB ST 10-(2,5/4) - 3030873

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



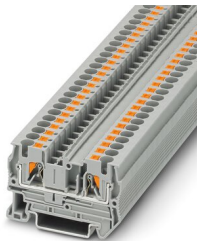
Reducing bridge, pitch: 10 mm, color: red

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## Feed-through terminal block

Feed-through terminal block - PT 4 - 3211757

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, 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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<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - PT 4-TWIN - 3211771

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, 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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## Feed-through terminal block

Feed-through terminal block - PT 4-QUATTRO - 3211797

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, 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



# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



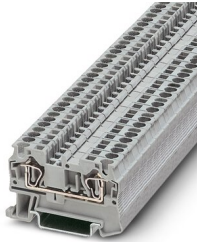
1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - ST 4 - 3031364

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



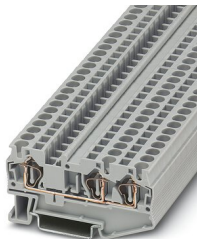
Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## Feed-through terminal block

Feed-through terminal block - ST 4-TWIN - 3031393

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - ST 4-QUATTRO - 3031445

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



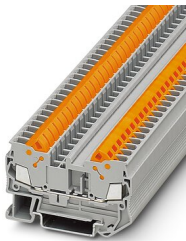
Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## Feed-through terminal block

Feed-through terminal block - QTC 2,5 - 3206416

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



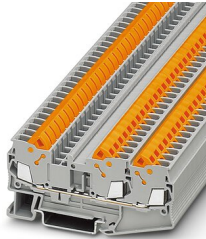
1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - QTC 2,5-TWIN - 3206445

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



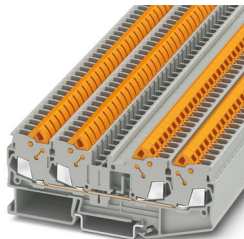
Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: gray

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## Feed-through terminal block

Feed-through terminal block - QTC 2,5-QUATTRO - 3206446

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

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

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



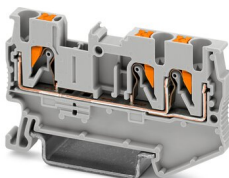
Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## Feed-through terminal block

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

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



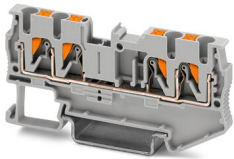
1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - PT 2,5-QUATTRO - 3209578

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, 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

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## Feed-through terminal block

Feed-through terminal block - ST 2,5 - 3031212

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, 1 level, 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



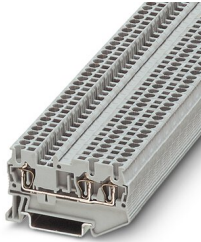
1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - ST 2,5-TWIN - 3031241

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



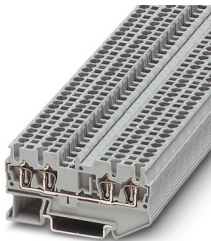
Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Spring-cage connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## Feed-through terminal block

Feed-through terminal block - ST 2,5-QUATTRO - 3031306

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



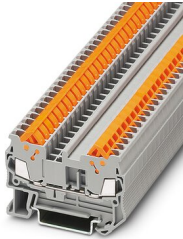
1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - QTC 1,5 - 3205019

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



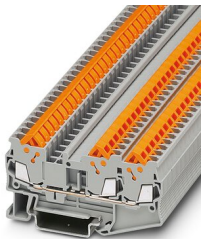
Fast connection terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## Feed-through terminal block

Feed-through terminal block - QTC 1,5-TWIN - 3205048

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



Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



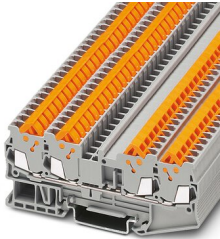
1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - QTC 1,5-QUATTRO - 3205077

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



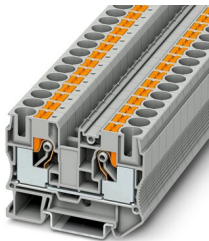
Feed-through terminal block, nom. voltage: 800 V, nominal current: 17.5 A, connection method: Quick connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/7,5, color: gray

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## Feed-through terminal block

Feed-through terminal block - PT 10 - 3212120

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



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, 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



# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Feed-through terminal block

Feed-through terminal block - ST 10 - 3036110

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



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, 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

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## Zack marker strip

Zack marker strip - ZB 6:UNBEDRUCKT - 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Zack Marker strip, flat

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 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

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## Marker for terminal blocks

Marker for terminal blocks - UCT-TM 6 - 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Marker for terminal blocks

Marker for terminal blocks - UCT-TM 6 CUS - 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

## Marker for terminal blocks

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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Type 3 surge protection device

Type 3 surge protection device - TTC-6P-T3-24DC-PT-I - 1027586

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



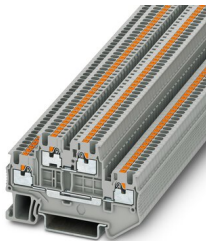
Type 3 surge protection, consisting of protective plug and base element, with integrated status indicator for 24 V DC power supplies

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## Double-level terminal block

Double-level terminal block - PTTB 1,5/S - 3208511

<https://www.phoenixcontact.com/us/products/3208511>



Double-level terminal block, nom. voltage: 500 V, nominal current: 16 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Double-level terminal block

Double-level terminal block - PTTB 2,5 - 3210567

<https://www.phoenixcontact.com/us/products/3210567>

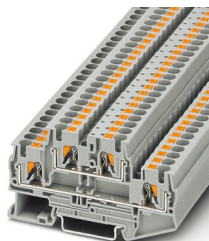


Double-level terminal block, nom. voltage: 500 V, nominal current: 22 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## Double-level terminal block

Double-level terminal block - PTTB 4 - 3211786

<https://www.phoenixcontact.com/us/products/3211786>



Double-level terminal block, nom. voltage: 500 V, nominal current: 28 A, connection method: Push-in connection, 1st and 2nd level, 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

# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Wire bridge

Wire bridge - DB 50- 90 BK - 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



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## Wire bridge

Wire bridge - DB 50- 90 BU - 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



# Electronic circuit breaker - PTCB E1 24DC/6A SI-R



1135740

<https://www.phoenixcontact.com/us/products/1135740>

## Wire bridge

Wire bridge - DB 50- 90 GY - 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



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## Wire bridge

Wire bridge - DB 50- 90 RD - 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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