

# CB 1/6-2/4 PT-BE - Base element

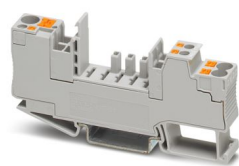


2800929

<https://www.phoenixcontact.com/au/products/2800929>

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Base element with push-in connection technology for CB ... device circuit breakers



## Your advantages

- Fast installation with reduced wiring work with bridging options
- Can be extended at any time with the modular design
- Fast and reliable installation thanks to Push-in connection technology
- Clear assignment of protective plug with coding options

## Commercial data

Item number	2800929
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CLA193
Product key	CLA193
Catalog page	Page 396 (C-4-2019)
GTIN	4046356690638
Weight per piece (including packing)	33.11 g
Weight per piece (excluding packing)	33.021 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Product type	Base element
Product family	CB BE
Type	Base element, DIN rail mounting

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Maximum load current	16 A
Maximum power dissipation for nominal condition	0 VA
Nominal voltage $U_N$	300 V

### General

Rated insulation voltage $U_i$	250 V
Rated surge voltage	4 kV
Insertion/withdrawal cycles	100

### Indicator/remote signaling

Connection name	Remote indication circuit
Switching function	Changeover contact

### Connection data

Maximum load current	16 A
Connection method	Push-in connection
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> Connection 1 ... 6 mm <sup>2</sup> Connection 1
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> Connection 1 ... 6 mm <sup>2</sup> Connection 1
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm <sup>2</sup> Connection 1 ... 1 mm <sup>2</sup> Connection 1
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> Connection 2.1/2.2 ... 4 mm <sup>2</sup> Connection 2.1/2.2
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> Connection 2.1/2.2 ... 4 mm <sup>2</sup> Connection 2.1/2.2
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm <sup>2</sup> Connection 2.1/2.2 ... 1 mm <sup>2</sup> Connection 2.1/2.2
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> Connection 12/11/14 ... 1 mm <sup>2</sup> Connection 12/11/14
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> Connection 12/11/14 ... 1.5 mm <sup>2</sup> Connection 12/11/14

### Connection cross sections directly pluggable

Conductor cross section rigid	1 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> Connection 1 ... 6 mm <sup>2</sup> Connection 1
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> Connection 1 ... 6 mm <sup>2</sup> Connection 1
Conductor cross section rigid	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> Connection 2.1/2.2 ... 4 mm <sup>2</sup> Connection 2.1/2.2
Flexible conductor cross section (ferrule with plastic sleeve)	0.75 mm <sup>2</sup> Connection 2.1/2.2 ... 4 mm <sup>2</sup> Connection 2.1/2.2

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Conductor cross section rigid	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm <sup>2</sup> Connection 12/11/14 ... 1 mm <sup>2</sup> Connection 12/11/14
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm <sup>2</sup> Connection 12/11/14 ... 1.5 mm <sup>2</sup> Connection 12/11/14

## Connection 1

Connection method	Push-in connection
Stripping length	12 mm
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section, rigid min.	0.5 mm <sup>2</sup>
Conductor cross section, rigid max.	6 mm <sup>2</sup>

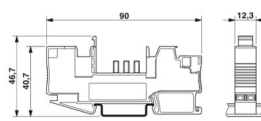
## Connection 2.1/2.2

Connection method	Push-in connection
Stripping length	12 mm
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross section, rigid max.	6 mm <sup>2</sup>

## Remote indication circuit

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	26 ... 16
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>

## Dimensions

Dimensional drawing	
Width	12.3 mm
Height	90 mm
Depth	46.7 mm

## Material specifications

Color	gray (RAL 7042) black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA 6.6

## Mechanical properties

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## Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP30 (Actuation area)
Ambient temperature (operation)	-30 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 120 °C

## Standards and regulations

Standards/specifications	IEC 60947-7-1
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## Mounting

Mounting type	DIN rail: 35 mm
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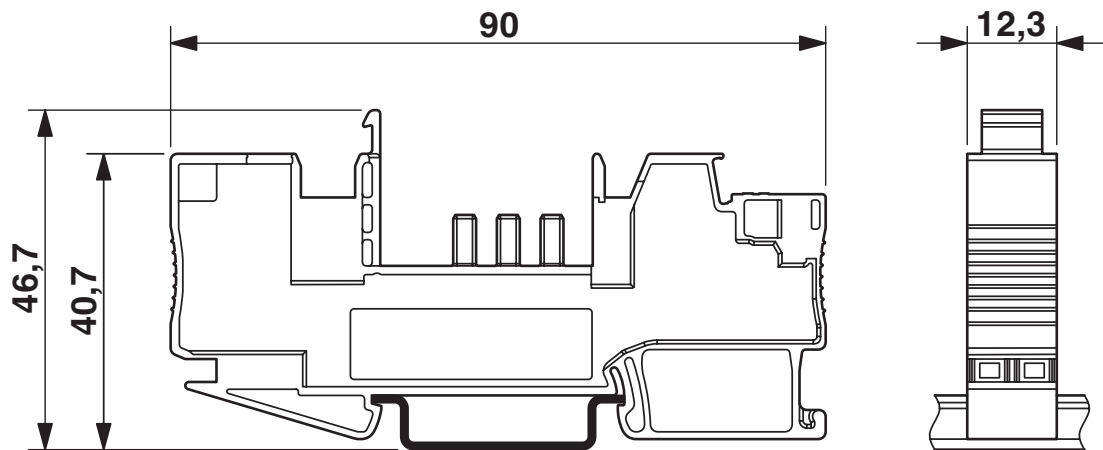
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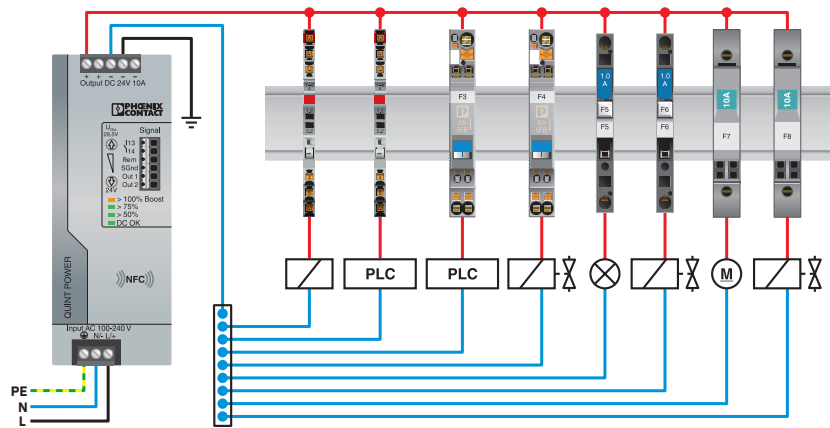


## Drawings

## Dimensional drawing



## Application drawing

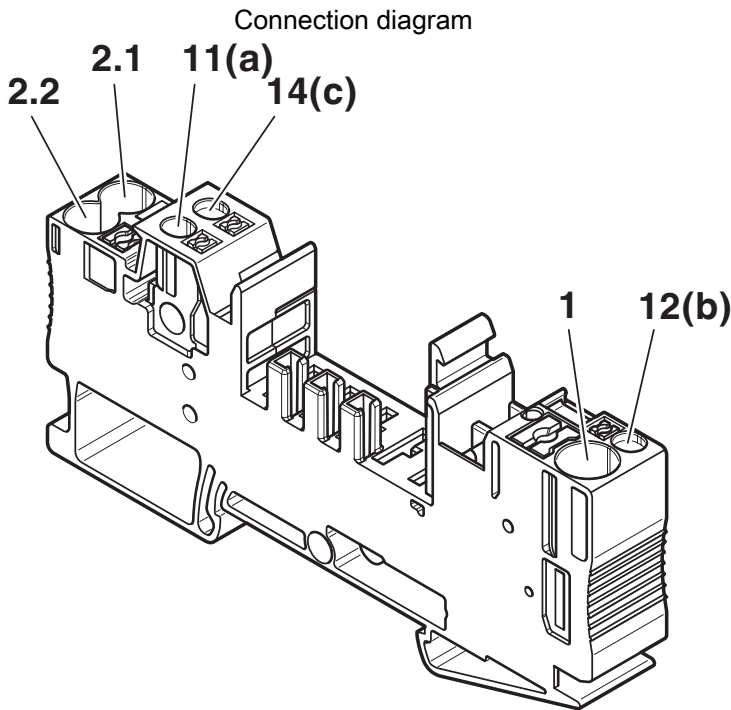


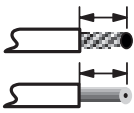



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1	12 mm	0.5 - 6 mm <sup>2</sup> AWG 20-10		
2.1 / 2.2		0.25 - 6 mm <sup>2</sup> AWG 24-10	0.2 - 4 mm <sup>2</sup> AWG 24-12	
11(a)/12 (b)/ 14 (c)	8 mm	0.14 - 1.5 mm <sup>2</sup> AWG 26-16	0.14 - 1 mm <sup>2</sup> AWG 26-18	0.14 - 1.5 mm <sup>2</sup> AWG 26-16

Connection of the cables

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/2800929>



**CSA**

Approval ID: 2782003



**cUL Recognized**

Approval ID: File E60425



**UL Recognized**

Approval ID: File E60425



**DNV GL**

Approval ID: TAE00003C7

**UAE-RoHS**

Approval ID: 23-10-88708



**cULus Listed**

Approval ID: E123528

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## Classifications

### ECLASS

ECLASS-13.0	27140401
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### ETIM

ETIM 9.0	EC003538
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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