

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

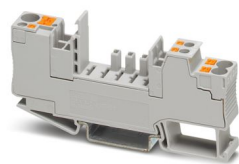


2800929

<https://www.phoenixcontact.com/pc/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
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 ² Connection 1 ... 6 mm ² Connection 1
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² Connection 1 ... 6 mm ² Connection 1
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² Connection 1 ... 1 mm ² Connection 1
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² Connection 2.1/2.2 ... 4 mm ² Connection 2.1/2.2
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² Connection 2.1/2.2 ... 4 mm ² 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 ² Connection 2.1/2.2 ... 1 mm ² Connection 2.1/2.2
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² Connection 12/11/14 ... 1 mm ² Connection 12/11/14
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² Connection 12/11/14 ... 1.5 mm ² Connection 12/11/14

Connection cross sections directly pluggable

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

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

Connection 1

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

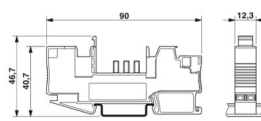
Connection 2.1/2.2

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

Remote indication circuit

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

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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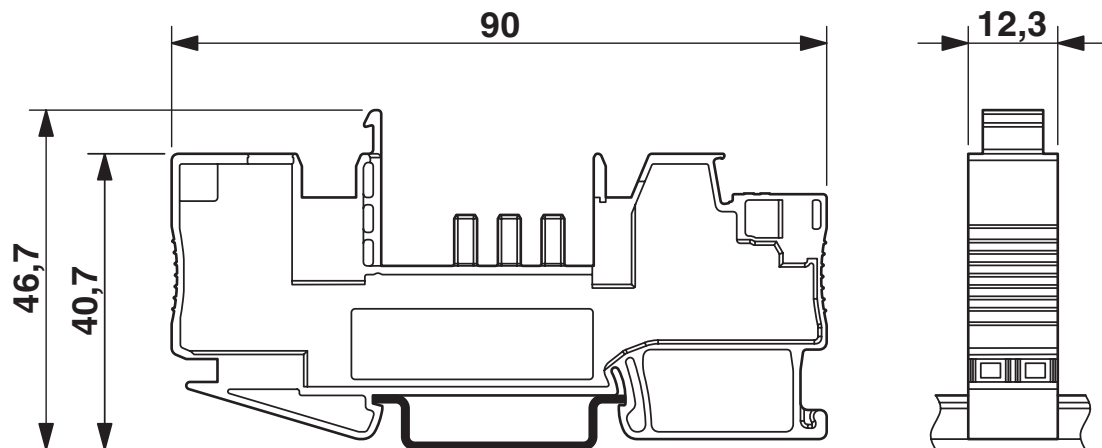
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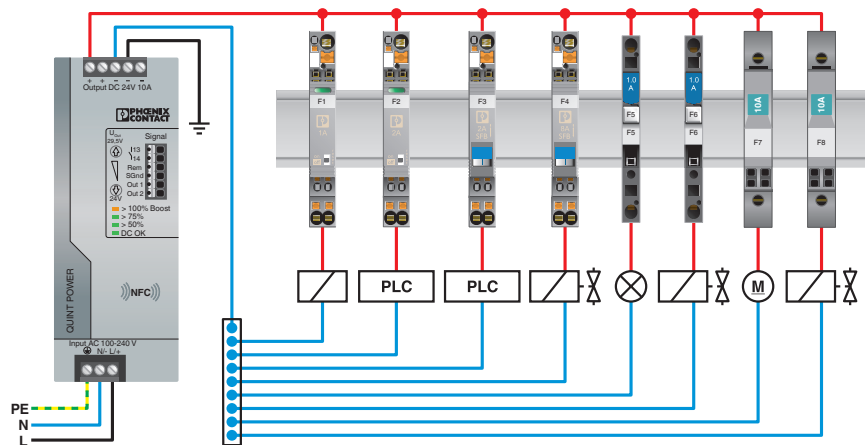


Drawings

Dimensional drawing



Application drawing

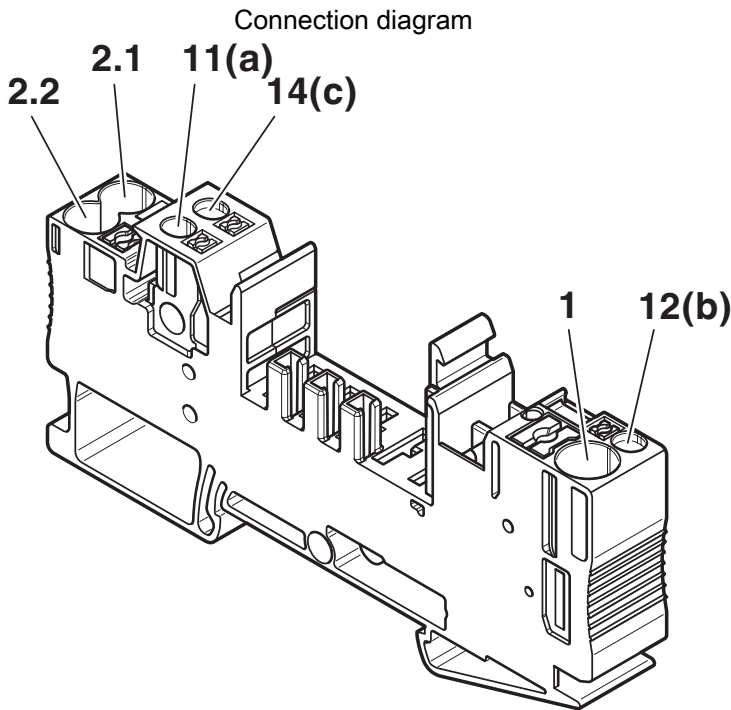


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1	12 mm	0.5 - 6 mm ² AWG 20-10		
2.1 / 2.2		0.25 - 6 mm ² AWG 24-10	0.2 - 4 mm ² AWG 24-12	
11(a)/12 (b)/ 14 (c)	8 mm	0.14 - 1.5 mm ² AWG 26-16	0.14 - 1 mm ² AWG 26-18	0.14 - 1.5 mm ² AWG 26-16

Connection of the cables

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/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

cULus Recognized

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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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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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