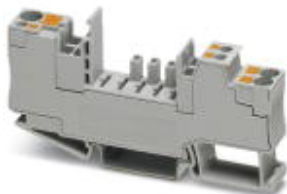


Base element - CB 1/6-2/4 PT-BE - 2800929

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

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



Why buy this product

- ✓ For accommodating CB TM.../CB E.... device circuit breakers
- ✓ DIN rail module
- ✓ With bridge shafts
- ✓ Systematic structure with 1-channel base elements possible
- ✓ Can be loaded with up to 41 A if two bridges are connected for the supply.

RoHS

Key Commercial Data

Packing unit	10 STK
Minimum order quantity	10 STK
GTIN	 4 046356 690638
GTIN	4046356690638
Weight per Piece (excluding packing)	33.150 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Height	90 mm
Width	12.3 mm
Depth	46.7 mm

Ambient conditions

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

Base element - CB 1/6-2/4 PT-BE - 2800929

Technical data

General

Flammability rating according to UL 94	V0
Mounting type	DIN rail: 35 mm
Color	gray
Overvoltage category_GRP	III
Insulating material group	I
Degree of pollution	3

Electrical data

Nominal voltage U_N	300 V
Rated surge voltage	4 kV
Rated insulation voltage U_i	250 V
Insertion/withdrawal cycles	100

Connection data

Connection name	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 solid min.	0.5 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	10
Connection name	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 solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Connection name	Connection 12/11/14
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16

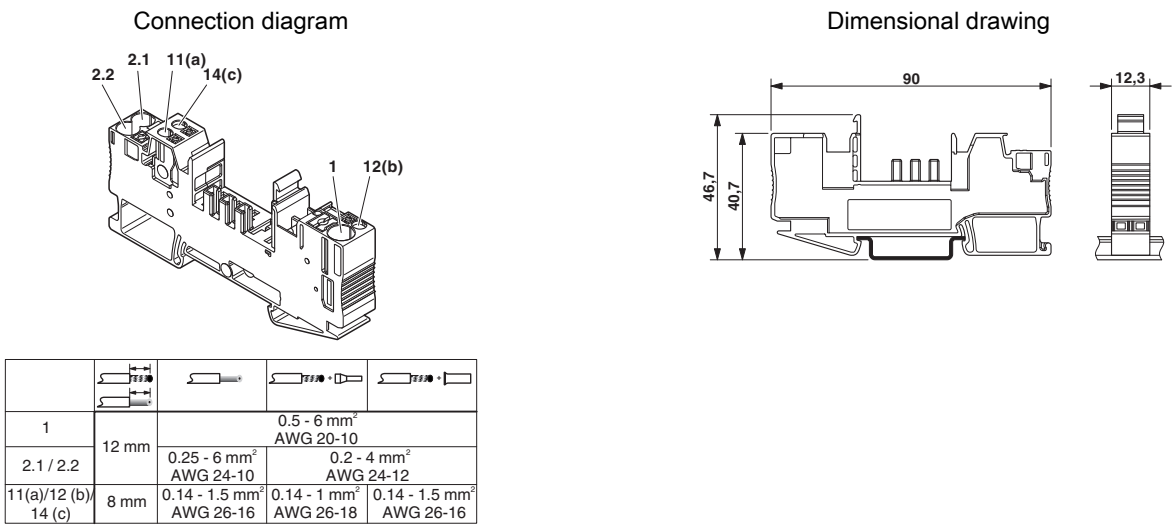
Base element - CB 1/6-2/4 PT-BE - 2800929

Technical data

Standards and Regulations

Standards/specifications	IEC 60947-7-1
Environmental Product Compliance	
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

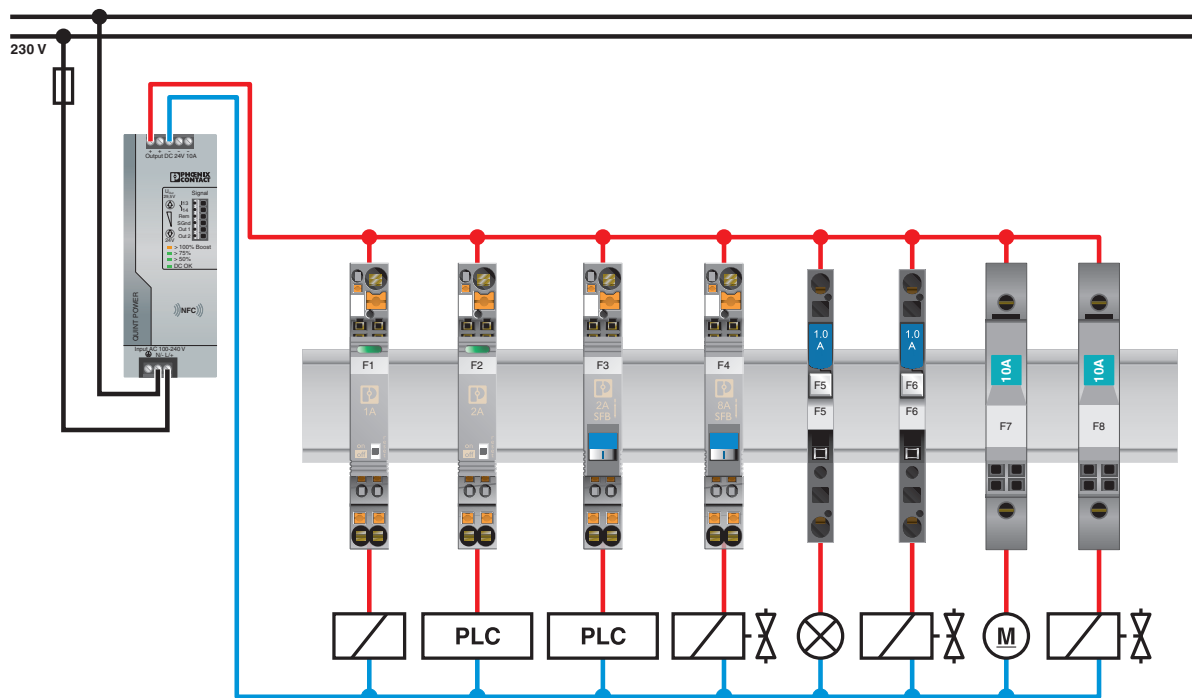
Drawings



Connection of the cables

Base element - CB 1/6-2/4 PT-BE - 2800929

Application drawing



Classifications

eCl@ss

eCl@ss 4.0	27141116
eCl@ss 4.1	27141116
eCl@ss 5.0	27141116
eCl@ss 5.1	27141116
eCl@ss 6.0	27141116
eCl@ss 7.0	27141116
eCl@ss 8.0	27141116
eCl@ss 9.0	27141116

ETIM

ETIM 3.0	EC000899
ETIM 4.0	EC000899
ETIM 5.0	EC000899
ETIM 6.0	EC000899

Base element - CB 1/6-2/4 PT-BE - 2800929

Classifications

UNSPSC

UNSPSC 6.01	30211812
UNSPSC 7.0901	39121411
UNSPSC 11	39121411
UNSPSC 12.01	39121411
UNSPSC 13.2	39121410

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GL / EAC / EAC / CSA / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	File E60425
---------------	---	---	-------------

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	File E60425
----------------	---	---	-------------

GL		http://exchange.dnv.com/tari/	61419-13 HH
----	---	---	-------------

EAC			EAC-Zulassung
-----	---	--	---------------

EAC			RU C- DE.A*30.B01546
-----	---	--	-------------------------

CSA			2782003
-----	---	--	---------

Base element - CB 1/6-2/4 PT-BE - 2800929

Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Accessories

Accessories

Coding element

Coding star - PC - 3040588



Coding star, length: 3 mm, width: 3 mm, height: 6 mm, color: red

Crimping tool

Crimping pliers - CRIMPFOX 10S - 1212045



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm² ... 10 mm², unlockable pressure lock, lateral entry

Cutting tools

Front cutter - CUTFOX-FBS - 1212124



Cutting tool, for separating individual jumper bars from FBS ... plug-in bridges and EB ... insertion bridges

Jumper

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: red

Base element - CB 1/6-2/4 PT-BE - 2800929

Accessories

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, pitch: 6.2 mm, width: 16.9 mm, number of positions: 3, color: red

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, pitch: 6.2 mm, width: 23.1 mm, number of positions: 4, color: red

Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, pitch: 6.2 mm, width: 29.3 mm, number of positions: 5, color: red

Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, pitch: 6.2 mm, width: 60.3 mm, number of positions: 10, color: red

Plug-in bridge - FBS 20-6 - 3030365



Plug-in bridge, pitch: 6.2 mm, width: 122.3 mm, number of positions: 20, color: red

Base element - CB 1/6-2/4 PT-BE - 2800929

Accessories

Plug-in bridge - FBS 50-6 - 3032224



Plug-in bridge, pitch: 6.2 mm, width: 308.3 mm, number of positions: 50, color: red

Labeled terminal marker

Zack Marker strip, flat - ZBF 12 CUS - 0825018



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: snap into flat marker groove, for terminal block width: 12 mm, Lettering field: 5.15 x 12.15 mm

Marker for terminal blocks - UC-TMF 12 CUS - 0824670



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: snap into flat marker groove, for terminal block width: 12 mm, Lettering field: 11.45 x 5.1 mm

Marker for terminal blocks - UCT-TMF 12 CUS - 0829686



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: snap into flat marker groove, for terminal block width: 12 mm, Lettering field: 11.2 x 4.7 mm

Terminal marking

Zack Marker strip, flat - ZBF 12:UNBEDRUCKT - 0809735



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: snap into flat marker groove, for terminal block width: 12 mm, Lettering field: 5.15 x 12.15 mm

Base element - CB 1/6-2/4 PT-BE - 2800929

Accessories

Marker for terminal blocks - UC-TMF 12 - 0819233



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, Mounting type: snap into flat marker groove, for terminal block width: 12 mm, Lettering field: 11.45 x 5.1 mm

Marker for terminal blocks - UCT-TMF 12 - 0829214



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: snap into flat marker groove, for terminal block width: 12 mm, Lettering field: 11.2 x 4.7 mm