**PHŒNIX CONTACT**

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

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Base element with push-in connection technology for CB ... device circuit breakers
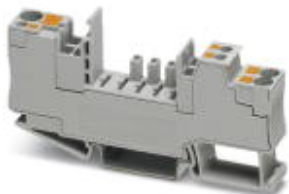
Why buy this product

☑ 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)

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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 mm²
Conductor cross section flexible max.	6 mm²
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	6 mm²
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 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
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 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16

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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 diagram
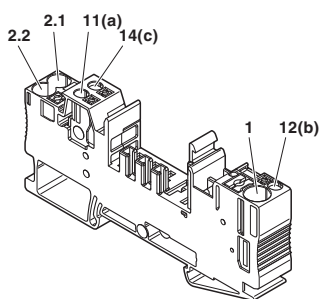
Dimensional drawing
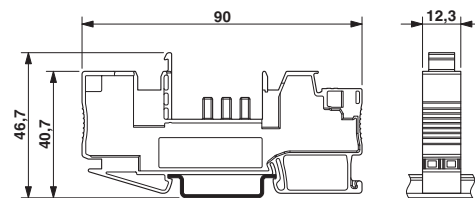
1	12 mm	0.5 - 6 mm² AWG 20-10		
2.1 / 2.2		0.25 - 6 mm² AWG 24-10	0.2 - 4 mm² AWG 24-12	
11(a)/12 (b)/ 14 (c)	8 mm	0.14 - 1.5 mm² AWG 26-16	0.14 - 1 mm² AWG 26-18	0.14 - 1.5 mm² AWG 26-16

Connection of the cables

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Application drawing
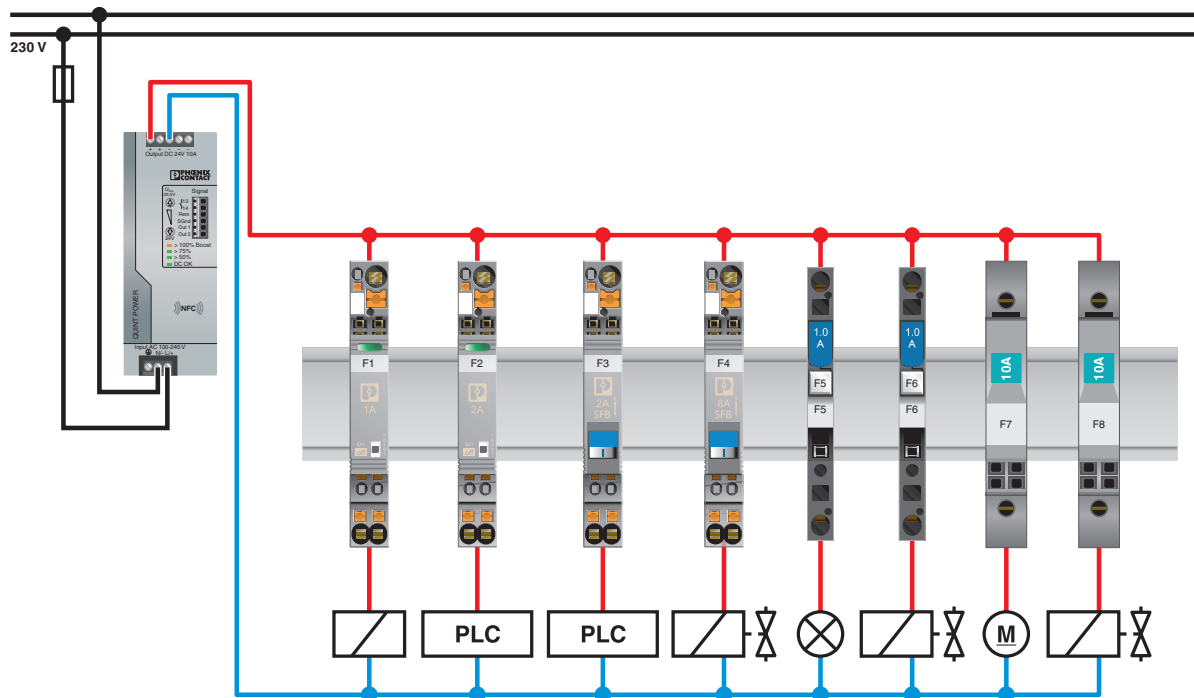
Classifications

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

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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

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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

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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

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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

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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