

PTRVB 8-FI /BN - Potential distributors



1067596

<https://www.phoenixcontact.com/sg/products/1067596>

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 documentation. Our general terms of use for downloads are valid.



Potential distributors, with option to supply up to 6 mm², nom. voltage: 250 V, nominal current: 17.5 A, connection method: Push-in connection, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 2.5 mm², Feed-in stage, Rated cross section: 4 mm², cross section: 0.2 mm² - 6 mm², mounting: NS 35/7,5, NS 35/15, color: gray, color of connection elements: brown

Your advantages

- Bridgeable potential distributor with option to supply up to 6 mm²
- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Tool-free wiring in a confined space thanks to compact size

Commercial data

Item number	1067596
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	*****
Product key	BE6211
GTIN	4055626737928
Weight per piece (including packing)	46.74 g
Weight per piece (excluding packing)	46.74 g
Customs tariff number	85369010
Country of origin	PL

Technical data

Product properties

Product type	Potential distributor
Number of positions	2
Number of connections	29
Number of rows	8
Potentials	1

Data management status

Article revision	00
------------------	----

Insulation characteristics

Overvoltage category	III
----------------------	-----

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Service Entrance	yes
Number of connections per level	4

Level 1+2+3+4+5+6 above 1

Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Cross section AWG	26 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Nominal current	17.5 A (with 1.5 mm ² conductor cross section)
Maximum load current	24 A (per chamber with 2.5 mm ² conductor cross section)
Maximum total current	37 A (per potential distributor)
Nominal voltage	250 V
Nominal cross section	1.5 mm ²

Feed-in stage

Note	Only the "CRIMPFOX 6" crimping pliers may be used for crimping with 6 mm ² stranded and ferrule.
Stripping length	10 mm ... 12 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)

PTRVB 8-FI /BN - Potential distributors



1067596

<https://www.phoenixcontact.com/sg/products/1067596>

Conductor cross section flexible	0.2 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.2 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.2 mm ² ... 6 mm ²
Nominal current	32 A (Supply, for 4 mm ² conductor cross section)
Maximum load current	37 A (Service Entrance)
Nominal voltage	250 V
Nominal cross section	4 mm ²

Level 1+2+3+4+5+6 above 1 Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm ² ... 2.5 mm ²
Conductor cross section, rigid [AWG]	20 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 1.5 mm ²

Feed-in stage Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm ² ... 6 mm ²
Conductor cross section, rigid [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 6 mm ²

Dimensions

Width	8.3 mm
Height	100 mm
Depth on NS 35/7,5	87.5 mm
Depth on NS 35/15	95 mm

Material specifications

Color	gray (RAL 7042)
Color of connection elements	brown
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C

PTRVB 8-FI /BN - Potential distributors



1067596

<https://www.phoenixcontact.com/sg/products/1067596>

Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
	IEC 60947-7-1

Mounting

Mounting type	NS 35/7,5
	NS 35/15

PTRVB 8-FI /BN - Potential distributors

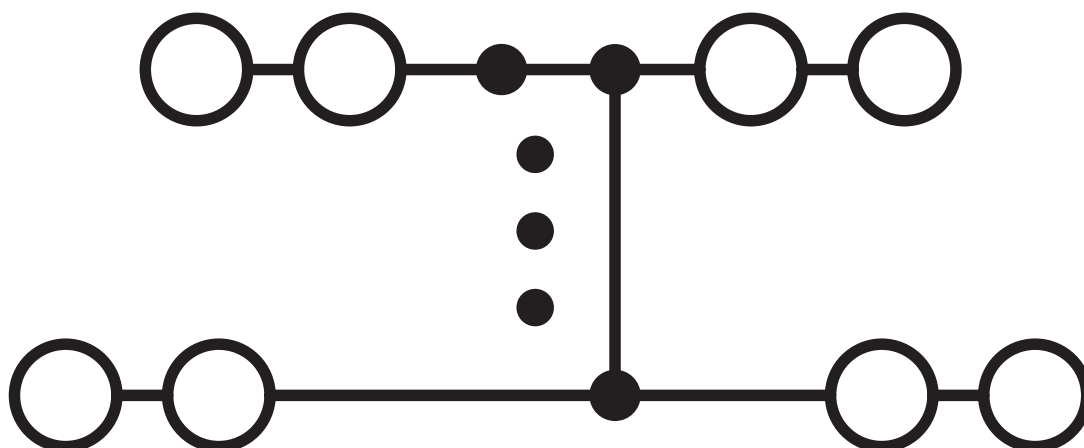


1067596

<https://www.phoenixcontact.com/sg/products/1067596>

Drawings

Circuit diagram



PTRVB 8-FI /BN - Potential distributors



1067596

<https://www.phoenixcontact.com/sg/products/1067596>


Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1067596>

 **CSA**
Approval ID: 2030668

 **IECEE CB Scheme**
Approval ID: NL-58817

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	17.5 A	-	-

 **EAC**
Approval ID: RU C-DE.BL08.B.00682

 **cULus Recognized**
Approval ID: E60425

 **KEMA-KEUR**
Approval ID: 71-102890

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only flexible conductors	250 V	17.5 A	-	0.14 - 1.5
Only rigid conductors	250 V	17.5 A	-	0.14 - 2.5

 **cULus Recognized**
Approval ID: E60425

DNV
Approval ID: TAE000016Y

 **cULus Recognized**
Approval ID: E60425

PTRVB 8-FI /BN - Potential distributors



1067596

<https://www.phoenixcontact.com/sg/products/1067596>

Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250105

ETIM

ETIM 9.0	EC000897
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PTRVB 8-FI /BN - Potential distributors



1067596

<https://www.phoenixcontact.com/sg/products/1067596>

Environmental product compliance

EU RoHS

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

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%
-------------------------------------	----------------------------

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg