

# PTPOWER 50 P BU - High-current terminal block



3260066

<https://www.phoenixcontact.com/us/products/3260066>

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## Your advantages

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- In addition to using the existing test pick-off, pick-off terminal blocks can be connected, each of which can also accommodate two test cables
- The compact design enables wiring in a confined space
- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors

## Commercial data

Item number	3260066
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE2211
GTIN	4046356998031
Weight per piece (including packing)	160.7 g
Weight per piece (excluding packing)	155.76 g
Customs tariff number	85369010
Country of origin	TR

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## Technical data

### Product properties

Product type	High current terminal block
Number of positions	1
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	4.73 W

### Connection data

Number of connections per level	2
Nominal cross section	50 mm <sup>2</sup>
Rated cross section AWG	2/0

#### 1 level

Connection method	PowerTurn connection
Stripping length	30 mm ... 32 mm
Internal cylindrical gage	A10
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	10 mm <sup>2</sup> ... 70 mm <sup>2</sup>
Cross section AWG	6 ... 2/0 (converted acc. to IEC)
Conductor cross-section flexible	10 mm <sup>2</sup> ... 70 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	6 ... 2/0 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Cross-section with insertion bridge, rigid	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Cross-section with insertion bridge, flexible	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve	10 mm <sup>2</sup> (50 mm <sup>2</sup> )
Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Nominal current	150 A
Maximum load current	150 A (with 50 mm <sup>2</sup> conductor cross-section)
Nominal voltage	1000 V

#### 1 level Connection cross sections directly pluggable

Conductor cross-section rigid	10 mm <sup>2</sup> ... 70 mm <sup>2</sup>
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Conductor cross-section, rigid [AWG]	8 ... 2/0 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>

## Ex data

### Rated data (ATEX/IECEx)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	1206612 SZF 3-1,0X5,5 1201662 E/AL-NS 35
List of bridges	/ EB 2-20/PT / 3260067 / EB 3-20/PT / 3260068
Bridge data	131 A (50 mm <sup>2</sup> )
Ex temperature increase	40 K (147 A / 50 mm <sup>2</sup> )
at bridging with insertion bridge	1100 V
Rated insulation voltage	1000 V
output	(Permanent)

### Ex level General

Rated voltage	1100 V
Rated current	134 A
Maximum load current	134 A
Contact resistance	0.16 mΩ

### Ex connection data General

Ferrule length	30 mm ... 32 mm
Stripping length	30 mm
Nominal cross section	50 mm <sup>2</sup>
Rated cross section AWG	1/0
Connection capacity rigid	10 mm <sup>2</sup> ... 70 mm <sup>2</sup>
Connection capacity AWG	8 ... 2/0
Conductor cross-section flexible, with ferrule without plastic sleeve min.	16 mm <sup>2</sup>
Conductor cross-section flexible, with ferrule without plastic sleeve max.	50 mm <sup>2</sup>

## Dimensions

Width	20 mm
Height	101 mm
Depth on NS 35/15	105 mm

## Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0
Insulating material group	I

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Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Mechanical properties

### Mechanical data

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

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

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

Mounting type	NS 35/15
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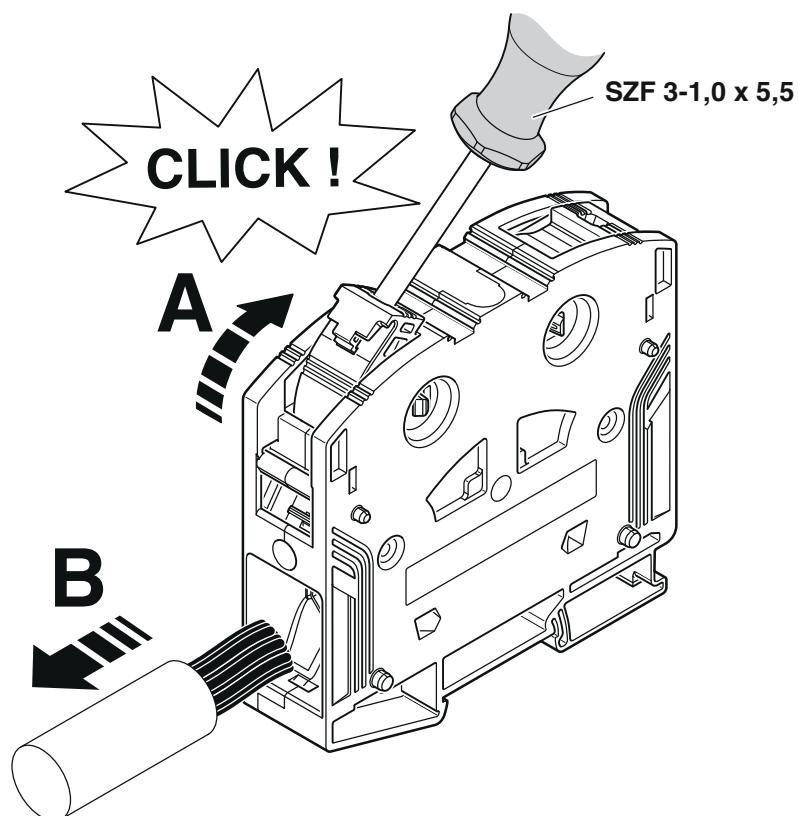
## Drawings

Schematic diagram

### PTPOWER



AGK 10-PTPOWER	$0,5 \text{ mm}^2 \dots 16 \text{ mm}^2$	18 mm
PTPOWER 35	$2,5 \text{ mm}^2 \dots 35 \text{ mm}^2$	25 mm
PTPOWER 50	$10 \text{ mm}^2 \dots 50 \text{ mm}^2$	32 mm
PTPOWER 95	$25 \text{ mm}^2 \dots 95 \text{ mm}^2$	40 mm
PTPOWER 185	$95 \text{ mm}^2 \dots 185 \text{ mm}^2$	40 mm



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Circuit diagram



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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3260066>

CSA				
Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
B	600 V	140 A	8 - 1/0	-
C	1000 V	140 A	8 - 1/0	-

cUL Recognized				
Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
C	1000 V	140 A	8 - 1/0	-

UL Recognized				
Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
E	1000 V	140 A	8 - 1/0	-

DNV				
Approval ID: TAE00000Z9				

CCC				
Approval ID: 2020322313000630				

UKCA-EX				
Approval ID: CML 22UKEX1227U				

IECEx				
Approval ID: IECExSEV14.0013U				

ATEX				
Approval ID: SEV14ATEX0156U				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				

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Only rigid conductors	1100 V	134 A	-	10 - 70
multi-stranded with ferrule	1100 V	134 A	-	16 - 50



**IECEx**

Approval ID: IECExSEV14.0013U

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	1100 V	134 A	-	-
Only rigid conductors	1100 V	134 A	-	-
multi-stranded with ferrule	1100 V	134 A	-	-



**EAC Ex**

Approval ID: KZ 7500525010101950

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## Classifications

### ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

### ETIM

ETIM 9.0	EC000897
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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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