PTPOWER 50 BU - High-current terminal block

3260051

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High-current terminal block, nom. voltage: 1000 V, nominal current: 150 A, number of connections: 2, number of positions: 1, connection method: PowerTurn connection, 1 level, cross section: 10 mm^2 - 70 mm^2, mounting type: NS 35/15, color: blue

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 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
- The compact design enables wiring in a confined space

Commercial data

Item number	3260051
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE2211
GTIN	4046356998017
Weight per piece (including packing)	159 g
Weight per piece (excluding packing)	143 g
Customs tariff number	85369010
Country of origin	TR

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 mm²
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 mm² ... 70 mm²
Cross section AWG	6 ... 2/0 (converted acc. to IEC)
Conductor cross-section flexible	10 mm² ... 70 mm²
Conductor cross-section, flexible [AWG]	6 ... 2/0 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm² ... 50 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	10 mm² ... 50 mm²
Cross-section with insertion bridge, rigid	10 mm² ... 50 mm²
Cross-section with insertion bridge, flexible	10 mm² ... 50 mm²
Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve	10 mm² (50 mm²)
Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve	10 mm² ... 50 mm²
Nominal current	150 A
Maximum load current	150 A (with 50 mm² conductor cross-section)
Nominal voltage	1000 V

1 level Connection cross sections directly pluggable

Conductor cross-section rigid	10 mm² ... 70 mm²

Conductor cross-section, rigid [AWG]	8 ... 2/0 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm² ... 50 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	10 mm² ... 50 mm²

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔx 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 mm²)
Ex temperature increase	40 K (147 A / 50 mm²)
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 mm²
Rated cross section AWG	1/0
Connection capacity rigid	10 mm² ... 70 mm²
Connection capacity AWG	8 ... 2/0
Conductor cross-section flexible, with ferrule without plastic sleeve min.	16 mm²
Conductor cross-section flexible, with ferrule without plastic sleeve max.	50 mm²

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

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

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

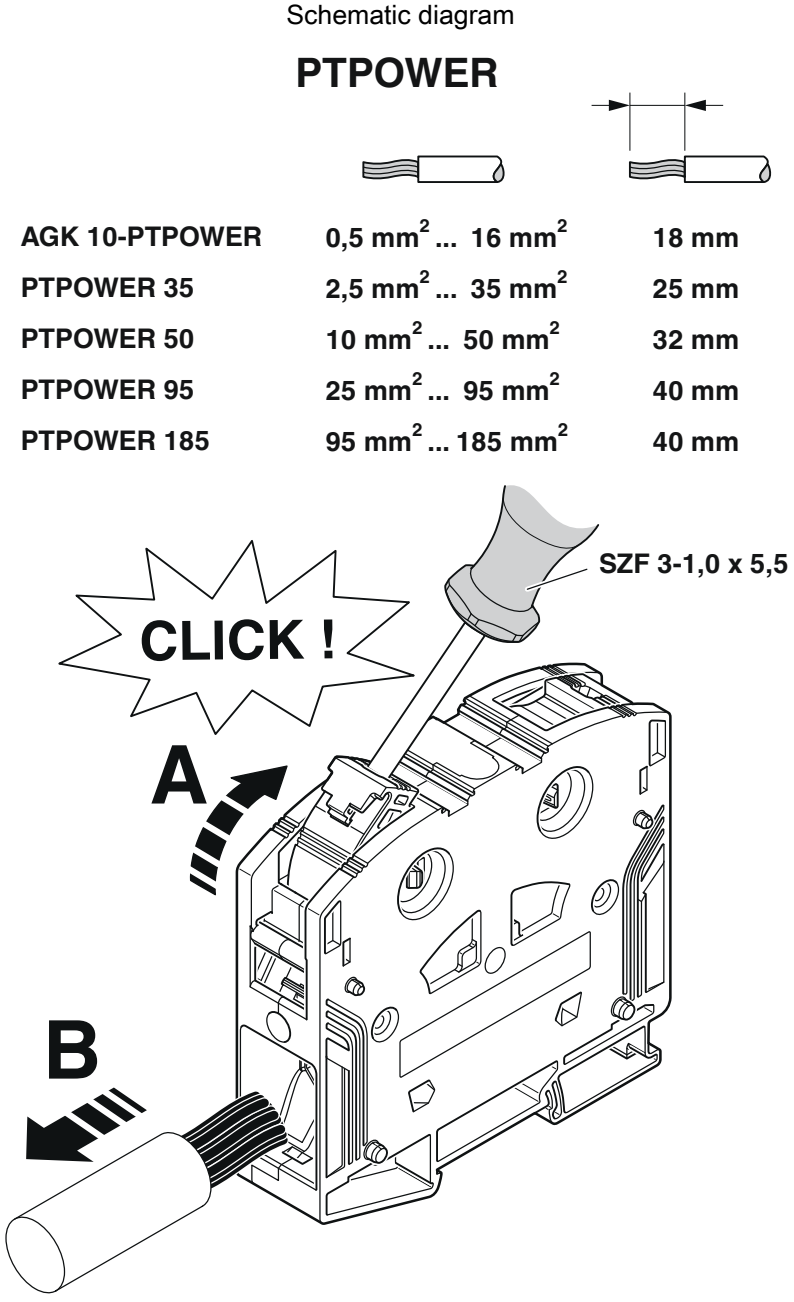
Connection in acc. with standard	IEC 60947-7-1

Mounting

Mounting type	NS 35/15

Drawings

Schematic diagram



Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3260051

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

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	-

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				

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

Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

ETIM

ETIM 10.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	1.983 kg CO2e

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com