High-current terminal block - PTPOWER 95-3L/N

3260112

https://www.phoenixcontact.com/de/produkte/3260112

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High-current terminal block, Blocked, nom. voltage: 1000 V, nominal current: 232 A, connection method: PowerTurn connection, 1 level, cross section: 25 mm^2 - 95 mm^2, mounting type: NS 35/15, color: gray/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 connection, 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	3260112
Packing unit	2 pc
Minimum order quantity	2 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE2211
Catalog Page	Page 139 (C-1-2019)
GTIN	4046356778763
Weight per Piece (including packing)	857 g
Weight per Piece (excluding packing)	727,8 g
Customs tariff number	85369010
Country of origin	PL

Technical Data

Product properties

Product type	High current terminal block
Number of positions	4
Number of connections	8
Number of rows	1
Potentials	4

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	7.54 W

Connection data

Number of connections per level	2
Nominal cross section	95 mm²

1 level

Stripping length	40 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid	25 mm² ... 95 mm²
Cross section AWG	4 ... 4/0 (converted acc. to IEC)
Conductor cross section flexible	25 mm² ... 95 mm²
Conductor cross section, flexible [AWG]	4 ... 4/0 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	25 mm² ... 95 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	25 mm² ... 95 mm²
Cross-section with insertion bridge, rigid	95 mm²
Cross-section with insertion bridge, flexible	70 mm²
Nominal current	232 A
Maximum load current	232 A (with 95 mm² conductor cross section)
Nominal voltage	1000 V

1 level Connection cross sections directly pluggable

Conductor cross section solid	25 mm² ... 95 mm²
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	25 mm² ... 95 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	25 mm² ... 95 mm²

Dimensions

Width	100 mm

Height NS 35/15	108.7 mm
Length	105.5 mm

Material specifications

Color	gray/blue
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 ... 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
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

Mounting

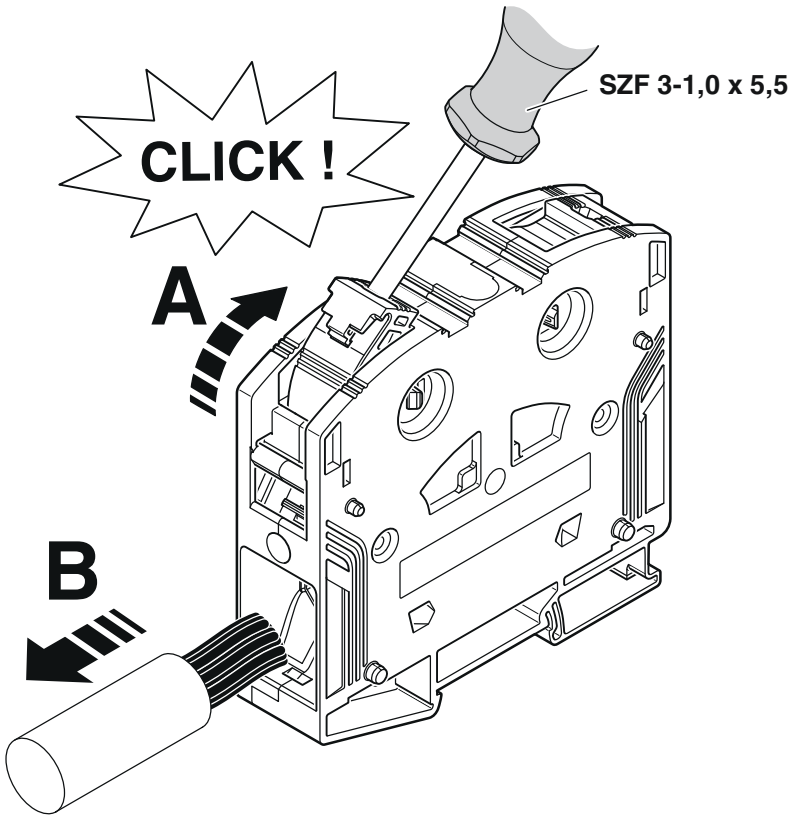
Mounting type	NS 35/15

Drawings

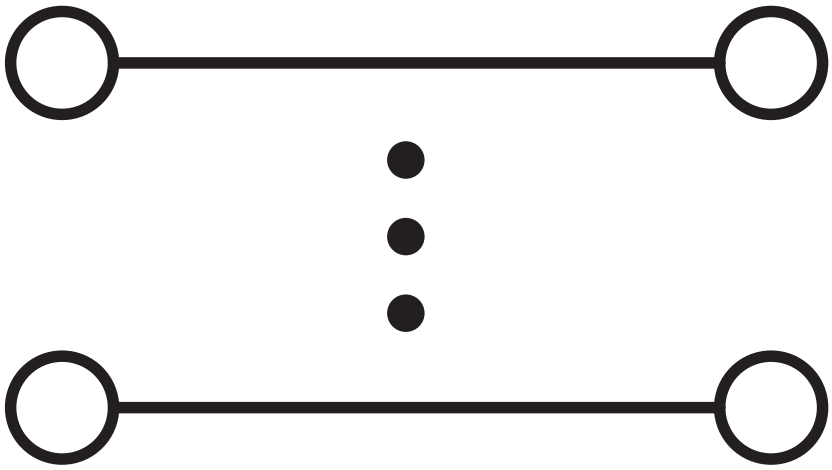
Schematic diagram

PTPOWER

AGK 10-PTPOWER	**0,5 mm² ... 16 mm²**	**18 mm**
PTPOWER 35	**2,5 mm² ... 35 mm²**	**25 mm**
PTPOWER 50	**10 mm² ... 50 mm²**	**32 mm**
PTPOWER 95	**25 mm² ... 95 mm²**	**40 mm**
PTPOWER 185	**95 mm² ... 185 mm²**	**40 mm**



Circuit diagram



Approvals

CSA
Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	600 V	230 A	4 - 4/0	-
Use group C				
	1000 V	230 A	4 - 4/0	-

cUL Recognized
Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group C				
	1000 V	230 A	4 - 4/0	-

UL Recognized
Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group E				
	1000 V	230 A	4 - 4/0	-

EAC
Approval ID: RU C-DE.AI30.B.01102

EAC
Approval ID: RU C-DE.BL08.B.00644

DNV
Approval ID: TAE00000Z9

cULus Recognized

Classifications

ECLASS

ECLASS-9.0	27141120
ECLASS-10.0.1	27141120
ECLASS-11.0	27141120

ETIM

ETIM 8.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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