

# PTPOWER 185-3L/N/FE - High-current terminal block



1054731

<https://www.phoenixcontact.com/us/products/1054731>

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High-current terminal block, Blocked, nom. voltage: 1000 V, nominal current: 309 A, number of connections: 10, number of positions: 5, connection method: PowerTurn connection, 1 level, cross section: 95 mm<sup>2</sup> - 185 mm<sup>2</sup>, mounting type: NS 35/15, color: gray/blue/black-yellow

## 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	1054731
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE22
Product key	BE2211
Catalog page	Page 141 (C-1-2019)
GTIN	4055626691312
Weight per piece (including packing)	1,684.9 g
Weight per piece (excluding packing)	1,663 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Product properties

Product type	High current terminal block
Number of positions	5
Pitch	31 mm
Number of connections	10
Number of rows	1
Potentials	5

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	9.55 W

### Connection data

Number of connections per level	10
Nominal cross section	150 mm <sup>2</sup>

#### 1 level

Stripping length	40 mm
Internal cylindrical gage	B14
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	95 mm <sup>2</sup> ... 185 mm <sup>2</sup>
Cross section AWG	250 kcmil ... 350 kcmil (converted acc. to IEC)
Conductor cross section flexible	95 mm <sup>2</sup> ... 185 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	250 kcmil ... 350 kcmil (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	95 mm <sup>2</sup> ... 150 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	95 mm <sup>2</sup> ... 150 mm <sup>2</sup>
Cross-section with insertion bridge, rigid	95 mm <sup>2</sup> ... 150 mm <sup>2</sup>
Cross-section with insertion bridge, flexible	95 mm <sup>2</sup> ... 150 mm <sup>2</sup>
Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve	95 mm <sup>2</sup> ... 120 mm <sup>2</sup>
Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve	95 mm <sup>2</sup> ... 120 mm <sup>2</sup>
Nominal current	309 A
Maximum load current	309 A (with 150 mm <sup>2</sup> conductor cross section)
Nominal voltage	1000 V

#### 1 level Connection cross sections directly pluggable

Conductor cross section rigid	95 mm <sup>2</sup> ... 185 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	95 mm <sup>2</sup> ... 150 mm <sup>2</sup>

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Flexible conductor cross section (ferrule with plastic sleeve)	95 mm² ... 150 mm²
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## Dimensions

Width	155 mm
Height	116.4 mm
Depth on NS 35/15	108.7 mm
Pitch	31 mm

## Material specifications

Color	gray/blue/black-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## 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, no longer than 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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## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

### ETIM

ETIM 9.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

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

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