

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



1054730

<https://www.phoenixcontact.com/us/products/1054730>

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High-current terminal block, Blocked, nom. voltage: 1000 V, nominal current: 309 A, number of connections: 8, number of positions: 4, 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/black-yellow

## Your advantages

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- 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
- 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

## Commercial data

Item number	1054730
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE22
Product key	BE2211
GTIN	4055626690384
Weight per piece (including packing)	1,346.5 g
Weight per piece (excluding packing)	1,285 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	4
Pitch	31 mm
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	9.55 W

### Connection data

Number of connections per level	8
Nominal cross section	150 mm <sup>2</sup>

#### 1 level

Connection method	PowerTurn connection
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	3/0 ... 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]	3/0 ... 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>
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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>

## Dimensions

Width	124 mm
Pitch	31 mm

## Material specifications

Color	multicolored (RAL -)
	gray (RAL 7042)
	black (RAL 9005)
	yellow (RAL 1018)
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 (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
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## Mounting

Mounting type	NS 35/15
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# PTPOWER 185-3L/FE - High-current terminal block

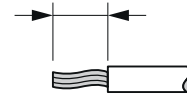
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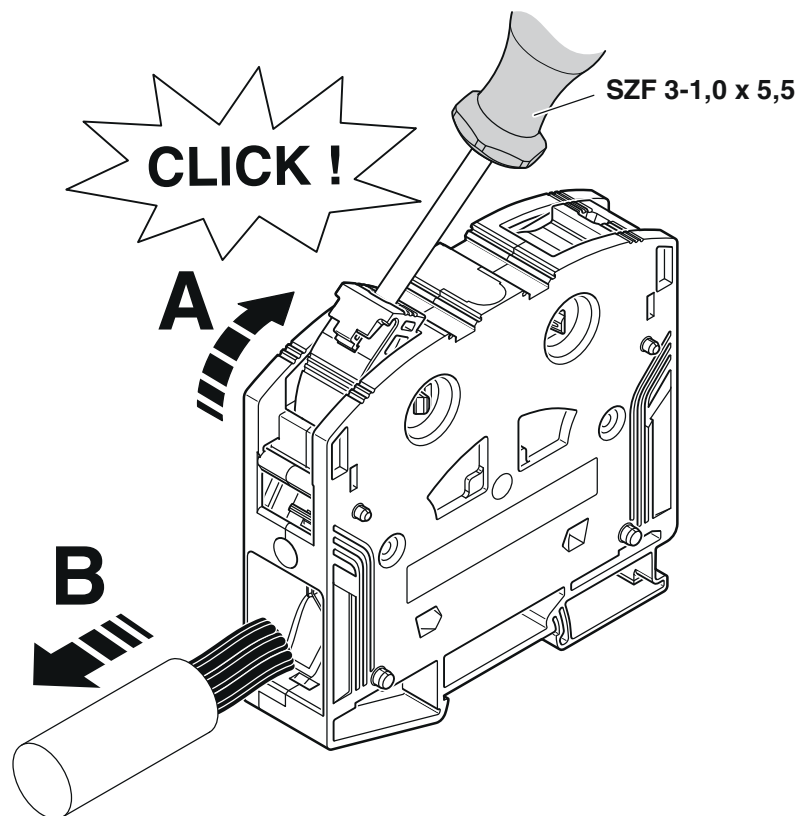
## Drawings

Schematic diagram

### PTPOWER



AGK 10-PTPOWER	0,5 mm <sup>2</sup> ... 16 mm <sup>2</sup>	18 mm
PTPOWER 35	2,5 mm <sup>2</sup> ... 35 mm <sup>2</sup>	25 mm
PTPOWER 50	10 mm <sup>2</sup> ... 50 mm <sup>2</sup>	32 mm
PTPOWER 95	25 mm <sup>2</sup> ... 95 mm <sup>2</sup>	40 mm
PTPOWER 185	95 mm <sup>2</sup> ... 185 mm <sup>2</sup>	40 mm



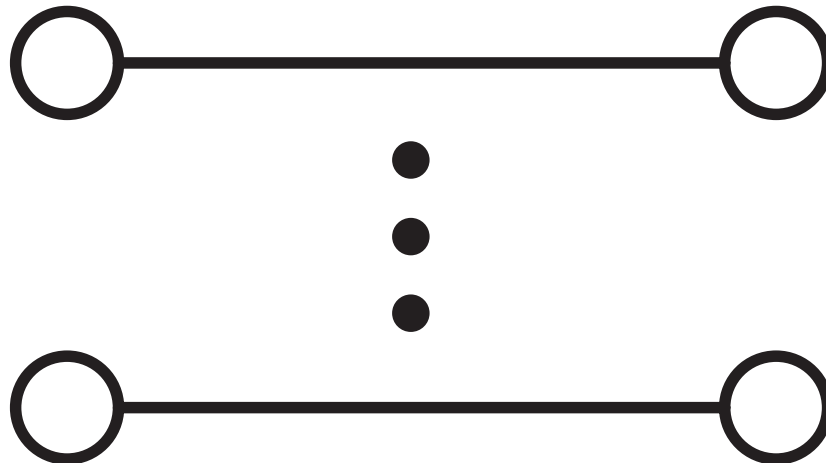
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Circuit diagram



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## Classifications

### 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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