

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



1054738

<https://www.phoenixcontact.com/de/produkte/1054738>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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 mm² - 185 mm², mounting type: direct screw connection, 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 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

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



1054738

<https://www.phoenixcontact.com/de/produkte/1054738>

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 ²

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 ² ... 185 mm ²
Cross section AWG	250 kcmil ... 350 kcmil (converted acc. to IEC)
Conductor cross section flexible	95 mm ² ... 185 mm ²
Conductor cross section, flexible [AWG]	250 kcmil ... 350 kcmil (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	95 mm ² ... 150 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	95 mm ² ... 150 mm ²
Cross-section with insertion bridge, rigid	95 mm ² ... 150 mm ²
Cross-section with insertion bridge, flexible	95 mm ² ... 150 mm ²
Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve	95 mm ² ... 120 mm ²
Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve	95 mm ² ... 120 mm ²
Nominal current	309 A
Maximum load current	309 A (with 150 mm ² conductor cross section)
Nominal voltage	1000 V

1 level Connection cross sections directly pluggable

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

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



1054738

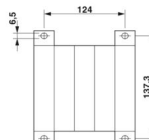
<https://www.phoenixcontact.com/de/produkte/1054738>

Flexible conductor cross section (ferrule with plastic sleeve)
--

95 mm² ... 150 mm²

Dimensions

Dimensional drawing



Width

155 mm

Height

150 mm

Depth

108.3 mm

Drill hole spacing

137.2 mm

Hole diameter

6.5 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

Technical data

Drill hole spacing

137.2 mm

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

Mounting

Mounting type

direct screw connection

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



1054738

<https://www.phoenixcontact.com/de/produkte/1054738>

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstraße 8
D-32825 Blomberg
+49 52 35/3-1 20 00
info@phoenixcontact.de