

PTPOWER 185 FE-F - High-current terminal block



1054734

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High-current terminal block, nom. voltage: 1000 V, nominal current: 309 A, number of connections: 2, number of positions: 1, connection method: PowerTurn connection, 1 level, cross section: 95 mm² - 185 mm², mounting type: direct screw connection, color: 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
- 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

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Technical data

Product properties

Product type	High current terminal block
Number of positions	1
Pitch	31 mm
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	9.55 W

Connection data

Number of connections per level	2
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

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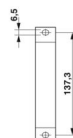
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Flexible conductor cross section (ferrule with plastic sleeve)
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95 mm² ... 150 mm²

Dimensions

Dimensional drawing



Width

31 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

black/yellow

Flammability rating according to UL 94
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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.)
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Ambient temperature (storage/transport)

-25 °C ... 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
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Ambient temperature (assembly)

-5 °C ... 70 °C

Ambient temperature (actuation)

-5 °C ... 70 °C

Permissible humidity (operation)

20 % ... 90 %

Permissible humidity (storage/transport)
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30 % ... 70 %

Standards and regulations

Connection in acc. with standard

IEC 60947-7-1

Mounting

Mounting type

direct screw connection

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