PTPOWER 185 F - High-current terminal block

1054732

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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 mm^2 - 185 mm^2, mounting type: direct screw connection, color: gray

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

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 mm²

1 level

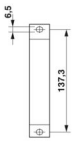
Stripping length	40 mm
Internal cylindrical gage	B14
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	95 mm² ... 185 mm²
Cross section AWG	250 kcmil ... 350 kcmil (converted acc. to IEC)
Conductor cross section flexible	95 mm² ... 185 mm²
Conductor cross section, flexible [AWG]	250 kcmil ... 350 kcmil (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	95 mm² ... 150 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	95 mm² ... 150 mm²
Cross-section with insertion bridge, rigid	95 mm² ... 150 mm²
Cross-section with insertion bridge, flexible	95 mm² ... 150 mm²
Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve	95 mm² ... 120 mm²
Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve	95 mm² ... 120 mm²
Nominal current	309 A
Maximum load current	309 A (with 150 mm² conductor cross section)
Nominal voltage	1000 V

1 level Connection cross sections directly pluggable

Conductor cross section rigid	95 mm² ... 185 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	95 mm² ... 150 mm²

Flexible conductor cross section (ferrule with plastic sleeve)	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	gray
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

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