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

1054737

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

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 mm²

1 level

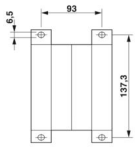
Stripping length	40 mm
Internal cylindrical gage	B14
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	95 mm² ... 185 mm²
Cross section AWG	250 kcmil ... 350 kcmil (converted acc. to IEC)
Conductor cross section flexible	95 mm² ... 185 mm²
Conductor cross section, flexible [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	124 mm
Height	150 mm
Depth	108.3 mm
Drill hole spacing	126.4 mm
Hole diameter	6.5 mm
Pitch	31 mm

Material specifications

Color	gray/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	126.4 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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