High-current terminal block - PTPOWER 95 - 3260100

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High-current terminal block, Connection method: Push-in connection, Cross section: 25 mm² - 95 mm², AWG: 4 - 3/0, Width: 25 mm, Color: gray, Mounting type: NS 35/15

Product Features

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- 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
- In addition to using the existing test connection, pick-off terminal blocks can be connected, each of which can also accommodate two test cables
- Tested for railway applications

Key commercial data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	198.0 GRM
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
	Mechanical engineering
	Plant engineering

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Technical data

General

Maximum load current	232 A (with 95 mm^2 conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	232 A (with 95 mm^2 conductor cross section)
Nominal current I_N	232 A
Nominal voltage U_N	1500 V
Maximum load current	232 A (with 95 mm^2 conductor cross section)
Open side panel	nein
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	25 mm² / 4.5 kg
	95 mm²/14 kg
Result of bending test	Test passed
Conductor cross section tensile test	25 mm²
Tractive force setpoint	135 N
Conductor cross section tensile test	95 mm²
Tractive force setpoint	351 N
Tensile test result	Test passed
Tight fit on carrier	NS 35/15
Setpoint	15 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	95 mm²
Short-time current	11.4 kA

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General

Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie mounted
Test frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 $(m/s^2)^2$/Hz
Acceleration	3.12 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	25 mm
Length	105.5 mm
Height NS 35/15	108.7 mm

Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Push-in connection
Conductor cross section solid min.	25 mm²
Conductor cross section solid max.	95 mm²
Conductor cross section AWG/kcmil min.	4
Conductor cross section AWG/kcmil max	3/0
Conductor cross section stranded min.	25 mm²
Conductor cross section stranded max.	95 mm²
Min. AWG conductor cross section, stranded	4

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Connection data

Max. AWG conductor cross section, stranded	4/0
Conductor cross section stranded, with ferrule without plastic sleeve min.	25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	95 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	95 mm²
Cross section with insertion bridge, solid max.	95 mm²
Cross section with insertion bridge, stranded max.	70 mm²
Cross section with insertion bridge, solid max.	95 mm²
Cross section with insertion bridge, stranded max.	70 mm²
Stripping length	40 mm

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals

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Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

IECEx / ATEX / EAC Ex

Approvals submitted

Approval details

UL Recognized

mm²/AWG/kcmil	4-4/0
Nominal current IN	230 A
Nominal voltage UN	1000 V

cUL Recognized

	C
mm²/AWG/kcmil	4-4/0
Nominal current IN	230 A
Nominal voltage UN	1000 V

EAC

cULus Recognized

Drawings

Circuit diagram

Стандарт Электрон Связь

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