

High-current terminal block - PTPOWER 50 BU - 3260051

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High-current terminal block, Connection method: Power-Turn connection, Number of connections: 2, Cross section: 10 mm² - 70 mm², AWG: 8 - 2/0, Width: 20 mm, Color: blue, Mounting type: NS 35/15

Your advantages

- ✓ 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

Key commercial data

package_quantity	10
GTIN	4046356998017

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	50 mm ²
Color	blue
Insulating material	PA
Flammability rating according to UL 94	V0

General

Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	4.73 W
Maximum load current	150 A (with 50 mm ² conductor cross section)
Nominal current I _N	150 A
Nominal voltage U _N	1500 V
Open side panel	No

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Technical data

General

Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	20 mm
Length	101 mm
Height NS 35/15	105 mm

Connection data

Connection method	Power-Turn connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	10 mm ²
Conductor cross section solid max.	70 mm ²
Conductor cross section AWG min.	8
Conductor cross section AWG max.	2/0
Conductor cross section flexible min.	10 mm ²
Conductor cross section flexible max.	70 mm ²
Min. AWG conductor cross section, flexible	8
Max. AWG conductor cross section, flexible	2/0
Conductor cross section flexible, with ferrule without plastic sleeve min.	10 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	10 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm ²
Cross section with insertion bridge solid min.	10 mm ²

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Technical data

Connection data

Cross section with insertion bridge, solid max.	50 mm ²
Cross section with insertion bridge stranded min.	10 mm ²
Cross section with insertion bridge, stranded max.	50 mm ²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	10 mm ²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve max.	50 mm ²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	10 mm ²
Cross section with insertion bridge stranded, with ferrule with plastic sleeve max.	50 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	10 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	16 mm ²
Cross section with insertion bridge, solid max.	50 mm ²
Cross section with insertion bridge, stranded max.	50 mm ²
Stripping length	30 mm
Internal cylindrical gage	A10

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
China RoHS	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 5.0	EC000897
ETIM 6.0	EC000897

UNSPSC

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

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Approvals

CSA / UL Recognized / cUL Recognized / DNV GL / LR / BV / cULus Recognized /

Approval details

CSA ®		
Usegroups	B	C
Nominal voltage UN	600 V	1000 V
Nominal current IN	140 A	140 A
mm²/AWG/kcmil	8-1/0	8-1/0

UL Recognized	
Nominal voltage UN	1000 V
Nominal current IN	140 A
mm²/AWG/kcmil	8-1/0

cUL Recognized	
Usegroups	C
Nominal voltage UN	1000 V
Nominal current IN	140 A
mm²/AWG/kcmil	8-1/0

DNV GL

LR UL Recognized

BV ®

cULus Recognized ULus

Accessories

Pick-off terminal block

AGK 10-PTPOWER - 3260145



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Accessories

AGK 10-PTPOWER BU - 3260148



AGK 10-PTPOWER GN/YE - 3260151



AGK 10-PTPOWER BK/YE - 3260154



Screwdriver tools

SZF 3-1,0X5,5 - 1206612



Test plug terminal block

PS-MT - 0311647



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Accessories

MPS-MT - 0201744



MPS-MT/ 4MM - 3048577



Insulating sleeve

PS-IH RD - 0311579



MPS-IH WH - 0201663



MPS-IH RD - 0201676



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Accessories

MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



MPS-IH WH - 0201663



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Accessories

MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



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Accessories

MPS-IH BK - 0201731



Insertion bridge

EB 2-20/PT - 3260067



EB 3-20/PT - 3260068



DIN rail

NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



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Accessories

NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



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Accessories

NS 35/15 CAP - 1206573



End block

E/AL-NS 35 - 1201662



Terminal marking

TMT 10 R - 0816210



ZB 10:UNBEDRUCKT - 1053001



UC-TM 10 - 0818069



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Accessories

UCT-TM 10 - 0829142



ZBF10:UNBEDRUCKT - 0809997



UC-TMF 10 - 0818124



UCT-TMF 10 - 0829204



Labeled terminal marker

TMT 10 R CUS - 0824500



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Accessories

ZB 10 CUS - 0824941



ZB10,LGS:FORTL.ZAHLEN - 1053014



ZB10,QR:FORTL.ZAHLEN - 1053027



ZB10,LGS:GLEICHE ZAHLEN - 1053030



ZB10,LGS:L1-N,PE - 1053412



ZB10,LGS:U-N - 1053438



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Accessories

UC-TM 10 CUS - 0824605



UCT-TM 10 CUS - 0829623



ZBF10 CUS - 0825031



ZBF10,LGS:FORTL.ZAHLEN - 0810009



ZBF10,QR:FORTL.ZAHLEN - 0810025



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Accessories

UC-TMF 10 CUS - 0824662



UCT-TMF 10 CUS - 0829679



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



Connector

A 25 -40 - 3241238



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Accessories

A 35 -40 - 3241239



A 50 -40 - 3241240



A 70 -40 - 3241241



A 95 -40 - 3241242



Drawings

Circuit diagram



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