

High-current terminal block - PTPOWER 35-FE - 3212081

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High-current terminal block, Connection method: Power-Turn connection, Number of connections: 2, Cross section: 2.5 mm² - 35 mm², AWG: 12 - 2, Width: 16 mm, Color: black/yellow, 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 and front connection enable wiring in a confined space
- ✓ In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection

Key commercial data

package_quantity	10
GTIN	4046356869843

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	35 mm ²
Color	black/yellow
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	4.06 W
Maximum load current	125 A (with 35 mm ² conductor cross section)
Nominal current I _N	125 A
Nominal voltage U _N	1000 V
Open side panel	No
Relative insulation material temperature index (Elec., UL 746 B)	130 °C

High-current terminal block - PTPOWER 35-FE - 3212081

Technical data

General

Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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)	28 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	16 mm
Length	91.6 mm
Height NS 35/7,5	69.8 mm
Height NS 35/15	77.3 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection method	Power-Turn connection
Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG min.	12
Conductor cross section AWG max.	2
Conductor cross section flexible min.	2.5 mm ²
Conductor cross section flexible max.	35 mm ²
Min. AWG conductor cross section, flexible	12
Max. AWG conductor cross section, flexible	2
Conductor cross section flexible, with ferrule without plastic sleeve min.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	2.5 mm ²

High-current terminal block - PTPOWER 35-FE - 3212081

Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
Stripping length	25 mm

Standards and Regulations

Flammability rating according to UL 94	V0
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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 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
eCl@ss 9.0	27141120

ETIM

ETIM 4.0	EC000897
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

Approvals

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

Approval details

CSA ®		
Usegroups	B	C
Nominal voltage UN	600 V	1000 V

High-current terminal block - PTPOWER 35-FE - 3212081

Approvals

Usegroups	B	C
Nominal current I _N	115 A	115 A
mm ² /AWG/kcmil	14-2	14-2

BV 

UL Recognized 
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cUL Recognized 	
Usegroups	C
Nominal voltage U _N	1000 V
Nominal current I _N	115 A
mm ² /AWG/kcmil	14-2

LR 

DNV GL

cULus Recognized 

Accessories

Screwdriver tools

SZF 3-1,0X5,5 - 1206612



Jumper

FBS 2-16 - 3005963



Reducing bridge

High-current terminal block - PTPOWER 35-FE - 3212081

Accessories

RB PTPOWER 35-ST(2,5/4) - 3030900



RB PTPOWER 35-ST 16 - 3032170



DIN rail

NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



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Accessories

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



NS 35/15 CAP - 1206573



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Accessories

End block

E/AL-NS 35 - 1201662



Terminal marking

TMT (EX9,5)R - 0828295



US-TM 100 - 0829255



ZB 16:UNPRINTED - 0827461



UC-TM 16 - 0819217



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Accessories

UCT-TM 16 - 0829146



ZBF 16:UNPRINTED - 0827464



UC-TMF 16 - 0819262



UCT-TMF 16 - 0829218



Labeled terminal marker

ZB 16 CUS - 0827463



High-current terminal block - PTPOWER 35-FE - 3212081

Accessories

ZB 16,LGS:L1-N,PE - 0827462



UC-TM 16 CUS - 0824621



UCT-TM 16 CUS - 0829637



ZBF 16 CUS - 0827465



UC-TMF 16 CUS - 0824678



UCT-TMF 16 CUS - 0829693



High-current terminal block - PTPOWER 35-FE - 3212081

Accessories

Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



Drawings

Circuit diagram



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