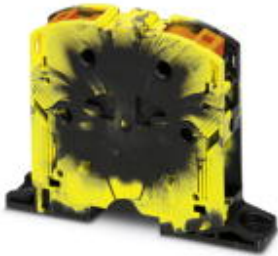


## High-current terminal block - PTPOWER 50-FE-F - 3260064

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



High-current terminal block, Connection method: Power-Turn connection, Cross section: 10 mm<sup>2</sup> - 70 mm<sup>2</sup>, AWG: 8 - 2/0, Width: 20 mm, Height: 96 mm, Color: black/yellow, Mounting type: NS 35/15

### Why buy this product

- ✓ 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

Packing unit	1 STK
Minimum order quantity	10 STK
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	50 mm <sup>2</sup>
Color	black/yellow
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3

# High-current terminal block - PTPOWER 50-FE-F - 3260064

## Technical data

### General

Overvoltage category	III
Insulating material group	I
Maximum load current	150 A (with 50 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	150 A
Nominal voltage U <sub>N</sub>	1500 V
Open side panel	No
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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	20 mm
Length	101 mm
Height	96 mm
Hole diameter	6.5 mm
Drill hole spacing	123.4 mm
Pitch	20 mm

### Connection data

Connection method	Power-Turn connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	10 mm <sup>2</sup>
Conductor cross section solid max.	70 mm <sup>2</sup>
Conductor cross section AWG min.	8
Conductor cross section AWG max.	2/0

# High-current terminal block - PTPOWER 50-FE-F - 3260064

## Technical data

### Connection data

Conductor cross section flexible min.	10 mm <sup>2</sup>
Conductor cross section flexible max.	70 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	10 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm <sup>2</sup>
Cross section with insertion bridge solid min.	10 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	50 mm <sup>2</sup>
Cross section with insertion bridge stranded min.	10 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	50 mm <sup>2</sup>
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	10 mm <sup>2</sup>
Cross section with insertion bridge stranded, with ferrule without plastic sleeve max.	50 mm <sup>2</sup>
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	10 mm <sup>2</sup>
Cross section with insertion bridge stranded, with ferrule with plastic sleeve max.	50 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	16 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	50 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	50 mm <sup>2</sup>
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
	No hazardous substances above threshold values

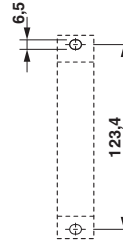
## Drawings

# High-current terminal block - PTPOWER 50-FE-F - 3260064

Circuit diagram



Dimensional drawing



## Approvals

### Approvals

Approvals

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

Ex Approvals


### Approval details

CSA <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/13631">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/13631</a>		
	B	C
mm <sup>2</sup> /AWG/kcmil	8-1/0	8-1/0
Nominal current I <sub>N</sub>	140 A	140 A
Nominal voltage U <sub>N</sub>	600 V	1000 V

UL Recognized <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 60425	
mm <sup>2</sup> /AWG/kcmil	8-1/0
Nominal current I <sub>N</sub>	140 A
Nominal voltage U <sub>N</sub>	1000 V

## High-current terminal block - PTPOWER 50-FE-F - 3260064


### Approvals

cUL Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 60425	
	C
mm <sup>2</sup> /AWG/kcmil	8-1/0
Nominal current I <sub>N</sub>	140 A
Nominal voltage U <sub>N</sub>	1000 V

DNV GL <https://www.dnvgl.com/> TAE00000Z9

LR <http://www.lr.org/en/15/20030>

BV <http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials/40933/A1> BV

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>