

# Feed-through terminal block - PT 6/1P OG



3061762

<https://www.phoenixcontact.com/de/produkte/3061762>

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Feed-through terminal block, Current and voltage are determined by the plug used., nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in / plug connection, Rated cross section: 6 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, mounting type: NS 35/15, NS 35/7,5, color: orange

## Your advantages

- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- The compact design and front connection enable wiring in a confined space
- 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
- Tested for railway applications

## Commercial Data

Item number	3061762
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	A1 - Reihenklennen
Product Key	BE2241
GTIN	4046356897839
Weight per Piece (including packing)	13,22 g
Weight per Piece (excluding packing)	13,22 g
Customs tariff number	85369010
Country of origin	CN

## Technical Data

### Notes

General	Current and voltage are determined by the plug used.
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### Product properties

Product type	Plug-in terminal block
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

### Connection data

Number of connections per level	2
Nominal cross section	6 mm <sup>2</sup>
Stripping length	12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 61984
Conductor cross section solid	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> When using TWIN ferrules, we recommend a minimum ferrule length of 13 mm.
Nominal current	41 A
Maximum load current	41 A (with 10 mm <sup>2</sup> conductor cross section, rigid)
Nominal voltage	1000 V
Nominal cross section	6 mm <sup>2</sup>

### Connection cross sections directly pluggable

Conductor cross section solid	1 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	1 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm <sup>2</sup> ... 6 mm <sup>2</sup>

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## Dimensions

Width	8.2 mm
End cover width	2.2 mm
Height	42.2 mm
Height NS 35/15	51 mm
Height NS 35/7,5	43.5 mm
Length	57.7 mm

## Material specifications

Color	orange
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	Yes
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

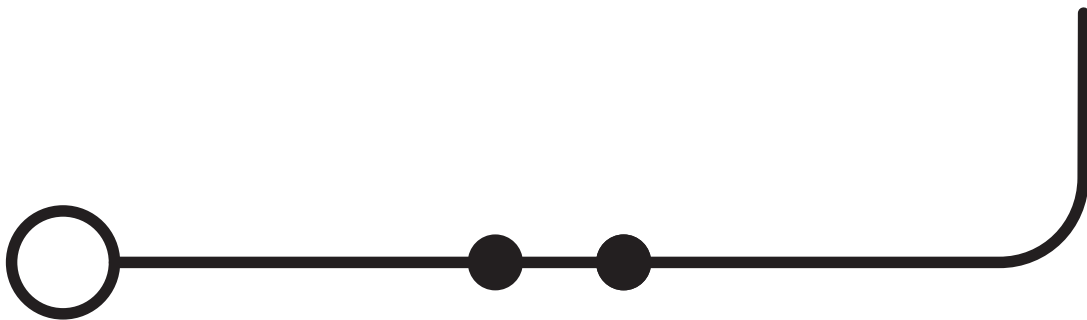
Connection in acc. with standard	IEC 61984
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## Mounting

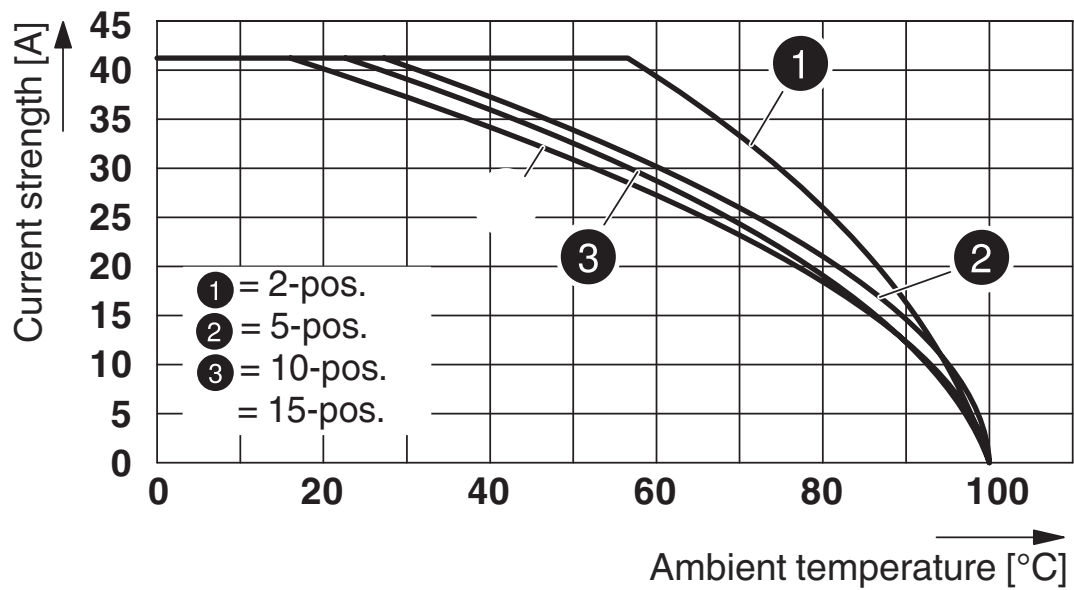
Mounting type	NS 35/15
	NS 35/7,5

## Drawings

Circuit diagram



Diagram




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## Approvals


 <b>CSA</b> Approval ID: 13631				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
Use group B	600 V	40 A	20 - 8	-
Use group C	600 V	40 A	20 - 8	-
Use group D	600 V	5 A	20 - 8	-

 <b>IECEE CB Scheme</b> Approval ID: DE1-64372_B1_B2				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
	1000 V		-	-

 <b>EAC</b> Approval ID: RU C-DE.AI30.B.01102				
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 <b>VDE Zeichengenehmigung</b> Approval ID: 40043445				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
	1000 V		-	0.5 - 6

 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
Use group B	600 V	40 A	20 - 8	-
Use group C	600 V	40 A	20 - 8	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00644				
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## Classifications

### ECLASS

ECLASS-9.0	27141120
ECLASS-10.0.1	27141120
ECLASS-11.0	27141120

### ETIM

ETIM 8.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental Product Compliance

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

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