

# PTI 16-NLS-FI - Installation terminal block



1030130

<https://www.phoenixcontact.com/sg/products/1030130>

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Installation terminal block, with end bracket function, nom. voltage: 1000 V, nominal current: 70 A, Push-in connection, 1 level, Rated cross section: 16 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## Commercial data

Item number	1030130
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	*****
Product key	BE2252
Catalog page	Page 127 (C-1-2019)
GTIN	4055626533124
Weight per piece (including packing)	32.035 g
Weight per piece (excluding packing)	31.83 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Notes

Note on application	with end bracket function
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### Product properties

Product type	Installation 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	6 kV
Maximum power dissipation for nominal condition	2.43 W
Current carrying capacity of the neutral busbar	140 A

### Connection data

Number of connections per level	2
Nominal cross section	16 mm <sup>2</sup>

#### 1 level

Stripping length	18 mm ... 20 mm
Internal cylindrical gage	A7
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section AWG	20 ... 4 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Nominal current	70 A (for 16 mm <sup>2</sup> conductor cross section)
Maximum load current	76 A
Nominal voltage	1000 V
Nominal cross section	16 mm <sup>2</sup>

#### 1 level Connection cross sections directly pluggable

Conductor cross section rigid	2.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	2.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	2.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>

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## Dimensions

Width	12.2 mm
Height	81.9 mm
Depth	46.8 mm
Depth on NS 35/7,5	48.5 mm
Depth on NS 35/15	56 mm

## Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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## Mounting

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

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## Drawings

### Circuit diagram



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## Approvals


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 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	600 V	70 A	20 - 4	-
Use group C	600 V	70 A	20 - 4	-


 <b>IECEE CB Scheme</b> Approval ID: DE1-62997				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	1000 V	70 A	-	0.5 - 16

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00644				
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 <b>VDE Zeichengenehmigung</b> Approval ID: 40050357				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	1000 V	70 A	-	0.5 - 16

 <b>cULus Recognized</b> Approval ID: E60425				
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 <b>cULus Recognized</b> Approval ID: E60425				
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 <b>EAC</b> Approval ID: EACKZ 08593				
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## Classifications

### ECLASS

ECLASS-11.0	27141138
ECLASS-12.0	27141138
ECLASS-13.0	27250111

### ETIM

ETIM 9.0	EC001257
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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