

PTI 16-NLS-FI-FE - Installation terminal block



1030135

<https://www.phoenixcontact.com/us/products/1030135>

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 documentation. Our general terms of use for downloads are valid.

Installation terminal block, with end bracket function, nom. voltage: 1000 V, nominal current: 70 A, Push-in connection, 1 level, Rated cross section: 16 mm², cross section: 0.5 mm² - 25 mm², mounting type: NS 35/7,5, NS 35/15, color: black/yellow



Commercial data

Item number	1030135
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE2252
GTIN	4055626533032
Weight per piece (including packing)	31.71 g
Weight per piece (excluding packing)	31 g
Customs tariff number	85369010
Country of origin	PL

PTI 16-NLS-FI-FE - Installation terminal block



1030135

<https://www.phoenixcontact.com/us/products/1030135>

Technical data

Notes

Note on application	with end bracket function
---------------------	---------------------------

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 ²

1 level

Connection method	Push-in connection
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 ² ... 25 mm ²
Cross section AWG	20 ... 4 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm ² ... 16 mm ²
Conductor cross-section, flexible [AWG]	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 16 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 16 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm ² ... 4 mm ²
Nominal cross section	16 mm ²
Nominal current	70 A (for 16 mm ² conductor cross-section)
Maximum load current	76 A
Nominal voltage	1000 V

1 level Connection cross sections directly pluggable

Conductor cross-section rigid	2.5 mm ² ... 25 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	2.5 mm ² ... 16 mm ²

PTI 16-NLS-FI-FE - Installation terminal block



1030135

<https://www.phoenixcontact.com/us/products/1030135>

Flexible conductor cross-section (ferrule with plastic sleeve)	2.5 mm ² ... 16 mm ²
--	--

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	multicolored (RAL -)
	black (RAL 9005)
	yellow (RAL 1018)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

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
----------------------------------	---------------

Mounting

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

PTI 16-NLS-FI-FE - Installation terminal block



1030135

<https://www.phoenixcontact.com/us/products/1030135>

Drawings

Circuit diagram



PTI 16-NLS-FI-FE - Installation terminal block



1030135

<https://www.phoenixcontact.com/us/products/1030135>

Classifications

ECLASS

ECLASS-13.0

27250110

ETIM

ETIM 9.0

EC001329

UNSPSC

UNSPSC 21.0

39121400

PTI 16-NLS-FI-FE - Installation terminal block



1030135

<https://www.phoenixcontact.com/us/products/1030135>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

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%
-------------------------------------	----------------------------

EF3.1 Climate Change

CO2e kg	0.204 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com