

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