

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



1030135

<https://www.phoenixcontact.com/sg/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 | ***** |
| Product key | BE2252 |
| Catalog page | Page 127 (C-1-2019) |
| 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/sg/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

| | |
|---|---|
| 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 current | 70 A (for 16 mm ² conductor cross section) |
| Maximum load current | 76 A |
| Nominal voltage | 1000 V |
| Nominal cross section | 16 mm ² |

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

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



1030135

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

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 |
| | 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/sg/products/1030135>

Drawings

Circuit diagram



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




1030135


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


Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1030135>


|  CSA Approval ID: 13631 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| Use group B | 600 V | 70 A | 20 - 4 | - |
| Use group C | 600 V | 70 A | 20 - 4 | - |


|  IECEE CB Scheme Approval ID: DE1-62997 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 1000 V | 70 A | - | 0.5 - 16 |

|  EAC Approval ID: RU C-DE.BL08.B.00644 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  VDE Zeichengenehmigung Approval ID: 40050357 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 1000 V | 70 A | - | 0.5 - 16 |

|  cULus Recognized Approval ID: E60425 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

|  cULus Recognized Approval ID: E60425 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

|  EAC Approval ID: EACKZ 08593 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

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



1030135

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

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27141125 |
| ECLASS-12.0 | 27141125 |
| 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/sg/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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg