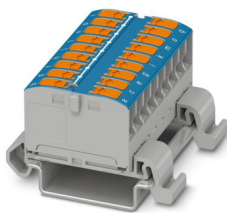


# PTVFIX 18X2,5-NS35A BU - Distribution block



1019538  
<https://www.phoenixcontact.com/us/products/1019538>

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.



Distribution block, nom. voltage: 690 V, nominal current: 24 A, number of connections: 18, number of positions: 1, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: blue

## Your advantages

- Space savings of up to 50 % on the DIN rail, thanks to transverse mounting
- Flexible use, thanks to DIN rail mounting, direct mounting or adhesive mounting
- Time-saving conductor connection, thanks to tool-free Push-in direct connection technology
- Time savings of up to 80 %, thanks to ready-to-mount blocks without manual bridging
- Clear wiring, thanks to eleven different color variants

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1019538       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BE09          |
| Product key                          | BEA215        |
| GTIN                                 | 4055626506265 |
| Weight per piece (including packing) | 32.72 g       |
| Weight per piece (excluding packing) | 33.8 g        |
| Customs tariff number                | 85369010      |
| Country of origin                    | PL            |

# PTVFIX 18X2,5-NS35A BU - Distribution block



1019538

<https://www.phoenixcontact.com/us/products/1019538>

## Technical data

### Product properties

|                       |                            |
|-----------------------|----------------------------|
| Product type          | Distributor terminal block |
| Number of positions   | 1                          |
| Number of connections | 18                         |
| Number of rows        | 1                          |
| Potentials            | 1                          |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 02 |
|------------------|----|

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Rated surge voltage                             | 8 kV   |
| Maximum power dissipation for nominal condition | 0.77 W |

### Connection data

|                                                                                                                   |                                                                                 |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Number of connections per level                                                                                   | 18                                                                              |
| Nominal cross section                                                                                             | 2.5 mm <sup>2</sup>                                                             |
| Stripping length                                                                                                  | 8 mm ... 10 mm                                                                  |
| Internal cylindrical gage                                                                                         | A3<br>B3                                                                        |
| Connection in acc. with standard                                                                                  | IEC 60947-7-1                                                                   |
| Conductor cross section rigid                                                                                     | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>                                      |
| Cross section AWG                                                                                                 | 26 ... 12 (converted acc. to IEC)                                               |
| Conductor cross section flexible                                                                                  | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                    |
| Conductor cross section, flexible [AWG]                                                                           | 26 ... 14 (converted acc. to IEC)                                               |
| Conductor cross-section flexible (ferrule without plastic sleeve)                                                 | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                    |
| Flexible conductor cross section (ferrule with plastic sleeve)                                                    | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                    |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 1.5 mm <sup>2</sup>                                                             |
| Nominal current                                                                                                   | 24 A                                                                            |
| Maximum load current                                                                                              | 32 A (with 4 mm <sup>2</sup> conductor cross-section)                           |
| Maximum total current                                                                                             | The maximum load current of the individual terminal point must not be exceeded. |
| Nominal voltage                                                                                                   | 690 V                                                                           |
| Note                                                                                                              | The IEC 60947-7-1 standard applies for the use of mounting accessories.         |
| Nominal cross section                                                                                             | 2.5 mm <sup>2</sup>                                                             |
| Connection in acc. with standard                                                                                  | IEC 60998-2-2                                                                   |
| Nominal voltage                                                                                                   | 450 V (in accordance with IEC 60998-2-2)                                        |

# PTVFIX 18X2,5-NS35A BU - Distribution block



1019538

<https://www.phoenixcontact.com/us/products/1019538>

## Connection cross sections directly pluggable

|                                                                   |                                              |
|-------------------------------------------------------------------|----------------------------------------------|
| Conductor cross section rigid                                     | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>    |
| Conductor cross section, rigid [AWG]                              | 20 ... 12 (converted acc. to IEC)            |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.75 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Flexible conductor cross section (ferrule with plastic sleeve)    | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>  |

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 46.6 mm |
| Height             | 45.7 mm |
| Depth              | 29.2 mm |
| Depth on NS 35/7,5 | 30.9 mm |

## Material specifications

|                                                                         |                 |
|-------------------------------------------------------------------------|-----------------|
| Color                                                                   | blue (RAL 5015) |
| Flammability rating according to UL 94                                  | V0              |
| Insulating material group                                               | I               |
| Insulating material                                                     | PA              |
| Static insulating material application in cold                          | -60 °C          |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C          |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C          |

## 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, no longer than 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

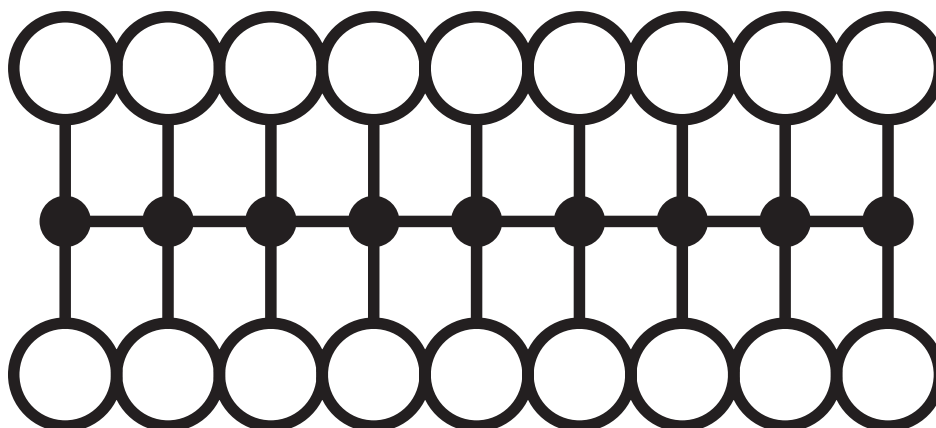
|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|                                  | IEC 60998-2-2 |

## Mounting

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

## Drawings

Circuit diagram



# PTVFIX 18X2,5-NS35A BU - Distribution block



1019538

<https://www.phoenixcontact.com/us/products/1019538>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1019538>

|  <b>CSA</b><br>Approval ID: 158887 |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                     | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                         |                       |                       |                   |                             |
|                                                                                                                     | 300 V                 | 20 A                  | 26 - 12           | -                           |
| Use group C                                                                                                         |                       |                       |                   |                             |
|                                                                                                                     | 300 V                 | 20 A                  | 26 - 12           | -                           |
| Use group D                                                                                                         |                       |                       |                   |                             |
|                                                                                                                     | 600 V                 | 5 A                   | 26 - 12           | -                           |

|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 300 V                 | 20 A                  | 26 - 12           | -                           |
| Use group C                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 300 V                 | 20 A                  | 26 - 12           | -                           |
| Use group F                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 500 V                 | 20 A                  | 26 - 12           | -                           |
| Use group D                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 600 V                 | 5 A                   | 26 - 12           | -                           |

| <b>DNV</b><br>Approval ID: TAE00004R4 |  |  |  |  |
|---------------------------------------|--|--|--|--|
|---------------------------------------|--|--|--|--|

# PTVFIX 18X2,5-NS35A BU - Distribution block



1019538

<https://www.phoenixcontact.com/us/products/1019538>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141120 |
| ECLASS-13.0 | 27250118 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000897 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

# PTVFIX 18X2,5-NS35A BU - Distribution block



1019538

<https://www.phoenixcontact.com/us/products/1019538>

## 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 2024 © - 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](mailto:info@phoenixcon.com)