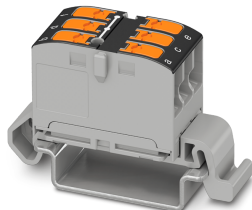


## Distribution block - PTVFIX 6X2,5-NS35A BK - 1019530

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Distribution block, nom. voltage: 690 V, nominal current: 24 A, 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: black

### Your advantages

- ✓ Flexible use, thanks to DIN rail mounting, direct mounting or adhesive mounting
- ✓ Clear wiring, thanks to eleven different color variants
- ✓ 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
- ✓ Space savings of up to 50% on the DIN rail, thanks to transverse mounting

**RoHS**

### Key Commercial Data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1 pc                                                                                                    |
| Minimum order quantity | 10 pc                                                                                                   |
| GTIN                   | <br>4 055626 506654 |
| GTIN                   | 4055626506654                                                                                           |
| Custom tariff number   | 85369010                                                                                                |
| Country of origin      | Poland                                                                                                  |

### Technical data

#### General

|                       |                     |
|-----------------------|---------------------|
| Number of positions   | 1                   |
| Number of rows        | 1                   |
| Number of connections | 6                   |
| Potentials            | 1                   |
| Nominal cross section | 2.5 mm <sup>2</sup> |

# Distribution block - PTVFIX 6X2,5-NS35A BK - 1019530

## Technical data

### General

|                                                 |                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------|
| Color                                           | black                                                                           |
| Insulating material                             | PA                                                                              |
| Flammability rating according to UL 94          | V0                                                                              |
| Mounting type                                   | NS 35/7,5                                                                       |
| Rated surge voltage                             | 8 kV                                                                            |
| Degree of pollution                             | 3                                                                               |
| Overvoltage category                            | III                                                                             |
| Insulating material group                       | I                                                                               |
| Maximum power dissipation for nominal condition | 0.77 W                                                                          |
| 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 current I <sub>N</sub>                  | 24 A                                                                            |
| Nominal voltage U <sub>N</sub>                  | 690 V                                                                           |
|                                                 | 450 V (in accordance with IEC 60998-2-2)                                        |
| Open side panel                                 | No                                                                              |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 15.7 mm |
| Length           | 45.7 mm |
| Height           | 29.2 mm |
| Height NS 35/7,5 | 30.9 mm |

### Connection data

|                                                                            |                                                                         |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Connection method                                                          | Push-in connection                                                      |
| Stripping length                                                           | 8 mm ... 10 mm                                                          |
| Connection in acc. with standard                                           | IEC 60947-7-1                                                           |
| Note                                                                       | The IEC 60947-7-1 standard applies for the use of mounting accessories. |
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup>                                                    |
| Conductor cross section solid max.                                         | 4 mm <sup>2</sup>                                                       |
| Conductor cross section AWG min.                                           | 26                                                                      |
| Conductor cross section AWG max.                                           | 12                                                                      |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup>                                                    |
| Conductor cross section flexible max.                                      | 2.5 mm <sup>2</sup>                                                     |
| Min. AWG conductor cross section, flexible                                 | 26                                                                      |
| Max. AWG conductor cross section, flexible                                 | 14                                                                      |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm <sup>2</sup>                                                    |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup>                                                     |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.14 mm <sup>2</sup>                                                    |

## Distribution block - PTVFIX 6X2,5-NS35A BK - 1019530

### Technical data

#### Connection data

|                                                                            |                                             |
|----------------------------------------------------------------------------|---------------------------------------------|
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 2.5 mm <sup>2</sup>                         |
| Connection cross sections directly pluggable                               | 0.5 mm <sup>2</sup> 4 mm <sup>2</sup> 20 12 |
| Conductor cross section solid min.                                         | 0.5 mm <sup>2</sup>                         |
| Conductor cross section solid max.                                         | 4 mm <sup>2</sup>                           |
| Conductor cross section AWG min.                                           | 20                                          |
| Conductor cross section AWG max.                                           | 12                                          |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.75 mm <sup>2</sup>                        |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup>                         |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.5 mm <sup>2</sup>                         |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 2.5 mm <sup>2</sup>                         |
| Internal cylindrical gage                                                  | A3                                          |
|                                                                            | B3                                          |
| Connection in acc. with standard                                           | IEC 60998-2-2                               |

#### Ambient conditions

|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Operating temperature                    | -60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)       |
| Ambient temperature (storage/transport)  | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Permissible humidity (storage/transport) | 30 % ... 70 %                                                             |
| Ambient temperature (assembly)           | -5 °C ... 70 °C                                                           |
| Ambient temperature (actuation)          | -5 °C ... 70 °C                                                           |

#### Standards and Regulations

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

#### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

#### Circuit diagram



### Classifications

eCl@ss

|             |          |
|-------------|----------|
| eCl@ss 11.0 | 27141120 |
|-------------|----------|

## Distribution block - PTVFIX 6X2,5-NS35A BK - 1019530

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141121 |
| eCl@ss 4.1 | 27141121 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141120 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 6.0 | EC000897 |
| ETIM 7.0 | EC000897 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |
| UNSPSC 18.0   | 39121410 |
| UNSPSC 19.0   | 39121410 |
| UNSPSC 20.0   | 39121410 |
| UNSPSC 21.0   | 39121410 |

### Approvals

#### Approvals

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##### Approvals

CSA / cULus Recognized

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##### Ex Approvals

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#### Approval details

## Distribution block - PTVFIX 6X2,5-NS35A BK - 1019530

### Approvals

|                    |                                                                                   |                                                                                                                                         |        |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 158887 |
|                    | B                                                                                 | C                                                                                                                                       | D      |
| Nominal voltage UN | 300 V                                                                             | 300 V                                                                                                                                   | 600 V  |
| Nominal current IN | 20 A                                                                              | 20 A                                                                                                                                    | 5 A    |
| mm²/AWG/kcmil      | 26-12                                                                             | 26-12                                                                                                                                   | 26-12  |

|                    |                                                                                   |                                                                                                                                                       |        |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425 |
|                    | B                                                                                 | C                                                                                                                                                     | D      |
| Nominal voltage UN | 300 V                                                                             | 300 V                                                                                                                                                 | 600 V  |
| Nominal current IN | 20 A                                                                              | 20 A                                                                                                                                                  | 5 A    |
| mm²/AWG/kcmil      | 26-12                                                                             | 26-12                                                                                                                                                 | 26-12  |

### Accessories

#### Accessories

##### Jumper

Plug-in bridge - FBS 2-5 - 3030161



Plug-in bridge, pitch: 5.2 mm, color: red

Plug-in bridge - FBS 2-5 GN - 3032143



Plug-in bridge, pitch: 5.2 mm, color: green

## Distribution block - PTVFIX 6X2,5-NS35A BK - 1019530

### Accessories

Plug-in bridge - FBS 2-5 BU - 3036877



Plug-in bridge, pitch: 5.2 mm, color: blue

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Plug-in bridge - FBS 2-5 GY - 3038969



Plug-in bridge, pitch: 5.2 mm, color: gray

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### Labeled terminal marker

Marker card - SK 2,8 REEL P5,2 WH CUS - 8199986



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm, lettering field size: continuous x 2.8 mm

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Marker card - SK 3,8 REEL P5,2 WH CUS - 8199989



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm, lettering field size: continuous x 3.8 mm

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### Terminal marking

Marking foil for zack marker strip - TML (EX3,8)R - 0801837



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: 30000 x 3.8 mm, Number of individual labels: 1

## Distribution block - PTVFIX 6X2,5-NS35A BK - 1019530

### Accessories

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#### Marking foil for zack marker strip - TML (104X3,8)R - 0801833



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 3.8 mm, Number of individual labels: 2500

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#### Marking foil for zack marker strip - TML (104X2,8)R - 0801832



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 2.8 mm, Number of individual labels: 2500

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#### Marking foil for zack marker strip - TML (EX2,8)R - 0801836



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: 30000 x 2.8 mm, Number of individual labels: 1

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#### Marker for terminal blocks - US-TML (104X3,8) - 0830768



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 104 x 3.8 mm, Number of individual labels: 22

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#### Marker for terminal blocks - US-TML (104X2,8) - 0830767



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 104 x 2.8 mm, Number of individual labels: 26

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## Distribution block - PTVFIX 6X2,5-NS35A BK - 1019530

### Accessories

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 3.8 mm, Number of individual labels: 1440

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm, Number of individual labels: 3600

Label - MM-TML (EX3,8)R C1 WH/BK - 1092026



Label, Roll, white, unlabeled, can be labeled with: THERMOFOX, THERMOMARK GO, THERMOMARK GO.K, mounting type: adhesive, for terminal block width: 8000 mm, lettering field size: continuous x 2.8 mm

单击下面可查看定价，库存，交付和生命周期等信息

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