

## Distribution block - PTFIX 12X4 BK - 3273826

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Distribution block, bridged internally, nom. voltage: 450 V, nominal current: 32 A, connection method: Push-in connection, number of connections: 12, cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 10, width: 36.9 mm, height: 21.7 mm, color: black, mounting type: for snapping onto a DIN rail adapter, Adapter plate

### Your advantages

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

RoHS

### Key Commercial Data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 8 pc                                                                                                    |
| Minimum order quantity | 8 pc                                                                                                    |
| GTIN                   | <br>4 055626 646893 |
| GTIN                   | 4055626646893                                                                                           |

### Technical data

#### General

|                                        |                                                                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Note                                   | Notes on operation The blocks can be bridged with one another via the conductor shaft. For corresponding plug-in bridges, see accessories |
| Number of levels                       | 1                                                                                                                                         |
| Number of connections                  | 12                                                                                                                                        |
| Potentials                             | 1                                                                                                                                         |
| Nominal cross section                  | 4 mm <sup>2</sup>                                                                                                                         |
| Color                                  | black                                                                                                                                     |
| Insulating material                    | PA                                                                                                                                        |
| Flammability rating according to UL 94 | V0                                                                                                                                        |
| Rated surge voltage                    | 6 kV                                                                                                                                      |
| Degree of pollution                    | 3                                                                                                                                         |

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## Technical data

### General

|                                                 |                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Overvoltage category                            | III                                                                                                   |
| Insulating material group                       | I                                                                                                     |
| Maximum power dissipation for nominal condition | 1.02 W (the value is based on one connection block and is multiplied according to the pin assignment) |
| Ambient temperature (operation)                 | -60 °C ... 130 °C                                                                                     |
| Maximum load current                            | 63 A                                                                                                  |
| Maximum total current                           | 41 A                                                                                                  |
| Nominal current $I_N$                           | 32 A                                                                                                  |
| Nominal voltage $U_N$                           | 450 V                                                                                                 |
| Open side panel                                 | No                                                                                                    |

### Dimensions

|        |         |
|--------|---------|
| Width  | 36.9 mm |
| Length | 28.6 mm |
| Height | 21.7 mm |

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Connection method                                                                       | Push-in connection  |
| Connection in acc. with standard                                                        | IEC 60998-2-2       |
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 6 mm <sup>2</sup>   |
| Conductor cross section AWG min.                                                        | 24                  |
| Conductor cross section AWG max.                                                        | 10                  |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max.                                                   | 4 mm <sup>2</sup>   |
| Min. AWG conductor cross section, flexible                                              | 24                  |
| Max. AWG conductor cross section, flexible                                              | 12                  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 4 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>   |
| Stripping length                                                                        | 10 mm ... 12 mm     |
| Internal cylindrical gage                                                               | A4                  |

### Standards and Regulations

|                                        |               |
|----------------------------------------|---------------|
| Connection in acc. with standard       | IEC 60998-2-2 |
| Flammability rating according to UL 94 | V0            |

### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|------------|---------------------------------------------------------|

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## Technical data

### Environmental Product Compliance

|  |                                                |
|--|------------------------------------------------|
|  | No hazardous substances above threshold values |
|--|------------------------------------------------|

## Drawings

### Circuit diagram



## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                    |                                                                                     |                                                                                                                                         |       |
|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                    | B                                                                                   | C                                                                                                                                       |       |
| Nominal voltage UN | 600 V                                                                               | 600 V                                                                                                                                   |       |
| Nominal current IN | 32 A                                                                                | 32 A                                                                                                                                    |       |
| mm²/AWG/kcmil      | 24-10                                                                               | 24-10                                                                                                                                   |       |

|                    |                                                                                     |                                                                                                                                                       |              |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL 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> | FILE E 60425 |
|                    | B                                                                                   | C                                                                                                                                                     |              |
| Nominal voltage UN | 600 V                                                                               | 600 V                                                                                                                                                 |              |
| Nominal current IN | 32 A                                                                                | 32 A                                                                                                                                                  |              |
| mm²/AWG/kcmil      | 24-10                                                                               | 24-10                                                                                                                                                 |              |

|                    |                                                                                     |                                                                                                                                                       |              |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL 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> | FILE E 60425 |
|                    | B                                                                                   | C                                                                                                                                                     |              |
| Nominal voltage UN | 600 V                                                                               | 600 V                                                                                                                                                 |              |

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### Approvals

|                                | B     | C     |
|--------------------------------|-------|-------|
| Nominal current I <sub>N</sub> | 32 A  | 32 A  |
| mm <sup>2</sup> /AWG/kcmil     | 24-10 | 24-10 |

EAC



RU C-  
DE.AI30.B.01102

cULus Recognized



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