

Distribution block - PTFIX 12X1,5 BK - 3002782

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Distribution block, bridged internally, The blocks can be bridged with one another via the conductor shaft. For corresponding plug-in bridges, see accessories, nom. voltage: 450 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 12, cross section: 0.14 mm² - 2.5 mm², AWG: 26 - 14, width: 24.9 mm, height: 17.7 mm, color: black, mounting type: for snapping onto a DIN rail adapter

Your advantages

- ✓ Clear arrangement thanks to marking of all terminal points
- ✓ Space-saving, thanks to the compact design
- ✓ Convenient test options, thanks to test openings at every terminal point
- ✓ Space-saving potential distribution, thanks to compact micro potential distributors
- ✓ Flexible use, thanks to direct mounting with flange covers from accessories



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 20 pc |
| GTIN |  4 055626 432625 |
| GTIN | 4055626432625 |
| Weight per Piece (excluding packing) | 11.000 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

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 |

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Technical data

General

| | |
|---|-------------------------------------|
| Potentials | 1 |
| Nominal cross section | 1.5 mm ² |
| Color | black |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 0.56 W |
| Maximum load current | 22 A |
| Maximum total current | 26 A |
| Nominal current I _N | 17.5 A |
| Nominal voltage U _N | 450 V |
| Open side panel | No |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |
| Finger protection | guaranteed |
| Result of thermal test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Ageing test for screwless modular terminal block temperature cycles | 192 |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |

Dimensions

| | |
|--------|---------|
| Width | 24.9 mm |
| Length | 21.6 mm |
| Height | 17.7 mm |

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Technical data

Connection data

| | |
|--|--|
| Connection method | Push-in connection |
| Stripping length | 8 mm ... 10 mm |
| Connection in acc. with standard | IEC 60998-2-2 |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 14 |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Min. AWG conductor cross section, flexible | 24 |
| Max. AWG conductor cross section, flexible | 14 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm ² |
| Connection cross sections directly pluggable | 0.34 mm ² 2.5 mm ² 26 14 |
| Conductor cross section solid min. | 0.34 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.34 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.34 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm ² |
| Internal cylindrical gage | A1 / B1 |

Ambient conditions

| | |
|--|---|
| Operating temperature | -60 °C ... 105 °C (max. short-term operating temperature 130°C) |
| 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 60998-2-2 |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

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

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Drawings

Circuit diagram



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27141120 |
| eCl@ss 11.0 | 27141120 |
| eCl@ss 4.0 | 27141120 |
| eCl@ss 4.1 | 27141120 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

ETIM

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|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |
| ETIM 6.0 | EC000897 |
| ETIM 7.0 | EC000897 |

UNSPSC

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|---------------|----------|
| 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

Approvals

CSA / EAC / LR / UL Recognized / cUL Recognized / cUL Recognized / DNV GL / IECCEB CB Scheme / VDE Zeichengenehmigung / BV

Ex Approvals


Approval details

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | B | C | D |
| Nominal voltage UN | 300 V | 150 V | 300 V |
| Nominal current IN | 20 A | 20 A | 10 A |
| mm ² /AWG/kcmil | 26-12 | 26-12 | 26-12 |

| | | | |
|-----|---|--|--------------------------|
| EAC |  | | RU C- DE.AI30.B.01102 |
|-----|---|--|--------------------------|


| | | | |
|-----|---|--|--------------------------|
| EAC |  | | RU C- DE.BL08.B.00644 |
|-----|---|--|--------------------------|


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|----|---|---|-------------|
| LR |  | http://www.lr.org/en | LR2002627TA |
|----|---|---|-------------|


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|----------------------------|---|---|--------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | D |
| Nominal voltage UN | 300 V | 150 V | 300 V |
| Nominal current IN | 20 A | 20 A | 10 A |
| mm ² /AWG/kcmil | 26-12 | 26-12 | 26-12 |


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Approvals

| | | | |
|----------------|---|---|--------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
|----------------|---|---|--------------|

| | | | |
|----------------------------|---|---|--------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | D |
| Nominal voltage UN | 300 V | 150 V | 300 V |
| Nominal current IN | 20 A | 20 A | 10 A |
| mm ² /AWG/kcmil | 26-12 | 26-12 | 26-12 |

| | | | |
|--------------------|---|---|-----------|
| DNV GL |  | https://approvalfinder.dnvgl.com/ | TAE0002TT |
| Nominal voltage UN | 500 V | | |
| Nominal current IN | 24 A | | |

| | | | |
|----------------------------|---|---|-----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-61977 |
| Nominal voltage UN | 450 V | | |
| Nominal current IN | 17.5 A | | |
| mm ² /AWG/kcmil | 1.5 | | |

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|----------------------------|---|---|----------|
| VDE Zeichengenehmigung |  | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40047798 |
| Nominal voltage UN | 450 V | | |
| Nominal current IN | 17.5 A | | |
| mm ² /AWG/kcmil | 0.2-1.5 | | |

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|----|---|---|-------------|
| BV |  | http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials | 59146/A0 BV |
|----|---|---|-------------|

