

## Distribution block - PTFIX 6X1,5 GY - 3002757

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Distribution block, internally jumpered, Connection method: Push-in connection, Number of connections: 6, Cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 16, Width: 12.6 mm, Height: 17.6 mm, Color: gray, Mounting type: Direct mounting with flange

### Your advantages

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

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 20            |
| GTIN             | 4055626432403 |

### Technical data

#### General

|                                        |                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note                                   | 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                  | 6                                                                                                                      |
| Potentials                             | 1                                                                                                                      |
| Nominal cross section                  | 1.5 mm <sup>2</sup>                                                                                                    |
| Color                                  | gray                                                                                                                   |
| Insulating material                    | PA                                                                                                                     |
| Flammability rating according to UL 94 | V0                                                                                                                     |

#### General

|                                                 |                   |
|-------------------------------------------------|-------------------|
| 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            |
| Ambient temperature (operation)                 | -60 °C ... 130 °C |
| Maximum load current                            | 17.5 A            |
| Nominal current I <sub>N</sub>                  | 17.5 A            |

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## Technical data

### General

|                                                                         |                                     |
|-------------------------------------------------------------------------|-------------------------------------|
| 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                                |
| 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                              |
| Behavior in fire for rail vehicles (DIN 5510-2)                         | Test passed                         |
| Flame test method (DIN EN 60695-11-10)                                  | V0                                  |
| Oxygen index (DIN EN ISO 4589-2)                                        | >32 %                               |
| NF F16-101, NF F10-102 Class I                                          | 2                                   |
| NF F16-101, NF F10-102 Class F                                          | 2                                   |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed                              |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed                              |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed                              |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg                            |
| 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  | 12.6 mm |
| Length | 21 mm   |
| Height | 17.6 mm |

### Connection data

|                                            |                           |
|--------------------------------------------|---------------------------|
| Connection method                          | Push-in connection        |
| Connection in acc. with standard           | IEC 60947-7-1/IEC 60998-1 |
| Conductor cross section solid min.         | 0.14 mm <sup>2</sup>      |
| Conductor cross section solid max.         | 1.5 mm <sup>2</sup>       |
| Conductor cross section AWG min.           | 26                        |
| Conductor cross section AWG max.           | 16                        |
| Conductor cross section flexible min.      | 0.14 mm <sup>2</sup>      |
| Conductor cross section flexible max.      | 1.5 mm <sup>2</sup>       |
| Min. AWG conductor cross section, flexible | 26                        |
| Max. AWG conductor cross section, flexible | 16                        |

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## Technical data

### Connection data

|                                                                            |                |
|----------------------------------------------------------------------------|----------------|
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm²       |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm²        |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm²       |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1.5 mm²        |
| Stripping length                                                           | 8 mm ... 10 mm |
| Internal cylindrical gage                                                  | A1 / B1        |

### Standards and Regulations

|                                        |                           |
|----------------------------------------|---------------------------|
| Connection in acc. with standard       | IEC 60947-7-1/IEC 60998-1 |
| Flammability rating according to UL 94 | V0                        |

### Environmental Product Compliance

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

## Classifications

### eCl@ss

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

### ETIM

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

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

## Distribution block - PTFIX 6X1,5 GY - 3002757

### Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized /

#### Approval details

| CSA ®              |       |       |       |
|--------------------|-------|-------|-------|
| Usegroups          | B     | C     | D     |
| Nominal voltage UN | 300 V | 300 V | 150 V |
| Nominal current IN | 15 A  | 15 A  | 15 A  |
| mm²/AWG/kcmil      | 26-14 | 26-14 | 26-14 |

| UL Recognized      |       |       |       |
|--------------------|-------|-------|-------|
| Usegroups          | B     | C     | D     |
| Nominal voltage UN | 300 V | 300 V | 150 V |
| Nominal current IN | 15 A  | 15 A  | 15 A  |
| mm²/AWG/kcmil      | 26-14 | 26-14 | 26-14 |

| cUL Recognized     |       |       |       |
|--------------------|-------|-------|-------|
| Usegroups          | B     | C     | D     |
| Nominal voltage UN | 300 V | 300 V | 150 V |
| Nominal current IN | 15 A  | 15 A  | 15 A  |
| mm²/AWG/kcmil      | 26-14 | 26-14 | 26-14 |

| cULus Recognized |  |  |  |
|------------------|--|--|--|
|------------------|--|--|--|

### Accessories

#### Screwdriver tools

SZF 0-0,4X2,5 - 1204504



#### End cover

## Distribution block - PTFIX 6X1,5 GY - 3002757

### Accessories

PTFIX 1,5-DF - 3003116



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### Jumper

FBS 2-4 - 3030116



FBS 2-4 BU - 3030117



FBS 2-4 GY - 3030118



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### End block

CLIPFIX 15 - 3022263



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### DIN rail

## Distribution block - PTFIX 6X1,5 GY - 3002757

### Accessories

NS 15 UNPERF 2000MM - 1401695



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NS 15 PERF 2000MM - 1401682



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NS 15 AL PERF 2000MM - 1401763



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NS 15 WH PERF 2000MM - 1204096

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### Labeled terminal marker

SK 4,15/3,8 FORTL.ZAHLEN - 0804378

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### Accessories

SK 3,8 REEL P4,15 WH CUS - 0825990

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#### Terminal marking

TML (EX3,8)R - 0801837



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TML (104X3,8)R - 0801833



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### Accessories

MPS-MT 1-S4-B RD - 1982800

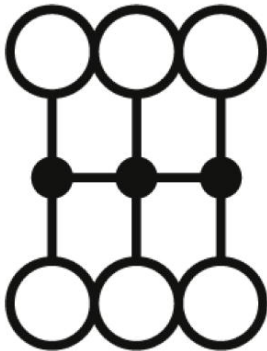


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### Drawings

## Distribution block - PTFIX 6X1,5 GY - 3002757

Circuit diagram



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