

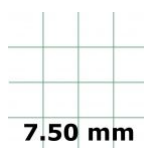
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PK 710/21/7,50-V DG

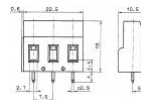
PK 710/21/7,50-V DG



M3



7.50 mm



PCB terminal, Screw connection, No. of poles: 21, Width: 158.1 mm, Colour: Dark grey

## Business data

|                                            |          |
|--------------------------------------------|----------|
| Packaging unit                             | 50       |
| Quantity unit                              | PC       |
| Packaging type                             | Carton   |
| Type of banding                            | Without  |
| Weight per piece (not including packaging) | 36.8     |
| Weight per piece (including packaging)     | 38.6     |
| Unit of weight                             | G        |
| Customs number                             | 85369010 |
| Country of origin                          | QU       |

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## Technical Data

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### Dimensions

|                            |          |
|----------------------------|----------|
| Length                     | 10.5 mm  |
| Length of the pin          | 4 mm     |
| Width                      | 158.1 mm |
| Width left                 | 4.35 mm  |
| Width right                | 3.75 mm  |
| Height                     | 19 mm    |
| Drill hole diameter        | 1.3 mm   |
| Diameter of connecting pin | 0.9 mm   |
| Pitch                      | 7.5 mm   |

### Ratings

|                       |                     |
|-----------------------|---------------------|
| Rated voltage         | 750 V               |
| Rated current         | 24 A                |
| Rated cross-section   | 2.5 mm <sup>2</sup> |
| Rated impulse voltage | 3 kV                |
| Overvoltage category  | III                 |
| Contamination degree  | 3                   |

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## Technical Data

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### Connection data

|                                                          |                      |
|----------------------------------------------------------|----------------------|
| Connection principle                                     | Screw connection     |
| Connection type of PCB                                   | Solder connection    |
| Type of attachment to circuit board                      | Connecting contact   |
| Angle of PCB/wire connection                             | 0°/180° (horizontal) |
| No. of poles                                             | 21                   |
| Number of levels                                         | 1                    |
| Wire cross-section single-core (rigid) / stranded, min.  | 0.2 mm <sup>2</sup>  |
| Wire cross-section single core (rigid)/stranded, max.    | 4 mm <sup>2</sup>    |
| Wire cross-section stranded, min.                        | 0.2 mm <sup>2</sup>  |
| Wire cross-section stranded, max.                        | 2.5 mm <sup>2</sup>  |
| Wire cross-section stranded with wire-end ferrules, min. | 0.25 mm <sup>2</sup> |
| Wire cross-section stranded with wire-end ferrules, max. | 2.5 mm <sup>2</sup>  |
| Wire cross-section AWG, min.                             | 30                   |
| Wire cross-section AWG, max.                             | 12                   |
| Stripping length                                         | 8 mm                 |
| Screw threading                                          | M 3                  |
| Torque                                                   | 0.5 Nm               |

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### Materials

|                           |               |
|---------------------------|---------------|
| Insulation housing        | Polyamide 6.6 |
| Flammability class UL 94  | V-0           |
| Working temperature, min. | -30 °C        |
| Working temperature, max. | 105 °C        |
| Clamping element          | Brass         |
| Screws                    | Steel         |
| Soldering lug             | Copper alloy  |

### Further technical data

|                                                |                             |
|------------------------------------------------|-----------------------------|
| Storage temperature, min.                      | -40 °C                      |
| Storage temperature, max.                      | 105 °C                      |
| Insulation resistance                          | 1*10 <sup>13</sup> Ohm x cm |
| Creepage-current resistance                    | CTI 600                     |
| Glow wire flammability index GWFI              | GWFI 850                    |
| GWFI after-glow time                           | 30 Sek.                     |
| Glow wire ignition temperature GWIT            | GWIT 775 °C                 |
| GWIT exposure time                             | 5 Sek.                      |
| Connection cycles, in compliance with standard | 5                           |
| Recommended wave soldering temperature         | 265 °C                      |

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## Technical Data

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### Further technical data

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|                                           |        |
|-------------------------------------------|--------|
| Recommended wave soldering duration, min. | 3 Sek. |
|-------------------------------------------|--------|

|                                           |        |
|-------------------------------------------|--------|
| Recommended wave soldering duration, max. | 4 Sek. |
|-------------------------------------------|--------|

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## Approvals

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### cUL Recognized

|                                                      |                 |
|------------------------------------------------------|-----------------|
| cUL Recognized                                       | C22.2 No 158    |
| cUL Recognized                                       | ✓               |
| cUL Usegroup B: rated voltage                        | 300 V           |
| cUL Usegroup B: rated current                        | 6 A             |
| cUL Usegroup C: rated voltage                        | 300 V           |
| cUL Usegroup C: rated current                        | 6 A             |
| cUL Usegroup D: rated voltage                        | 300 V           |
| cUL Usegroup D: rated current                        | 6 A             |
| cUL wire cross-section single-core (rigid) AWG, min. | 22              |
| cUL wire cross-section single-core (rigid) AWG, max. | 12              |
| cUL wire cross-section stranded AWG, min.            | 22              |
| cUL wire cross-section stranded AWG, max.            | 12              |
| cUL torque                                           | 0.4499999881 Nm |
| cUL wire material                                    | Cu              |

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## Approvals

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### UL Recognized

|                                                     |         |
|-----------------------------------------------------|---------|
| UL Recognized                                       | UL 1059 |
| UL Recognized granted                               | ✓       |
| UL Usegroup B: rated voltage                        | 300 V   |
| UL Usegroup B: rated current                        | 6 A     |
| UL Usegroup C: rated voltage                        | 300 V   |
| UL Usegroup C: rated current                        | 6 A     |
| UL Usegroup D: rated voltage                        | 300 V   |
| UL Usegroup D: rated current                        | 6 A     |
| UL wire cross-section single-core (rigid) AWG, min. | 22      |
| UL wire cross-section single-core (rigid) AWG, max. | 12      |
| UL wire cross-section stranded AWG, min.            | 22      |
| UL wire cross-section stranded AWG, max.            | 12      |
| UL torque                                           | 4 Lb In |
| UL wire material                                    | Cu      |
| UL factory wiring                                   | ✓       |
| UL field wiring                                     | ✓       |

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## Approvals

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### VDE approval

|                                                     |                     |
|-----------------------------------------------------|---------------------|
| VDE approval                                        | DIN EN 60998        |
| VDE approval granted                                | ✓                   |
| VDE rated voltage                                   | 750 V               |
| VDE rated current                                   | 24 A                |
| VDE rated current wire cross-section rigid, max.    | 24 A                |
| VDE rated current wire cross-section stranded, max. | 24 A                |
| VDE rated impulse voltage                           | 3 kV                |
| VDE wire cross-section rigid, min.                  | 0.5 mm <sup>2</sup> |
| VDE wire cross-section rigid, max.                  | 4 mm <sup>2</sup>   |
| VDE wire cross-section stranded, min.               | 0.5 mm <sup>2</sup> |
| VDE wire cross-section stranded, max.               | 2.5 mm <sup>2</sup> |
| VDE screw threading                                 | M 3                 |
| VDE torque                                          | 0.5 Nm              |
| VDE overvoltage category                            | III                 |
| VDE contamination degree                            | 3                   |



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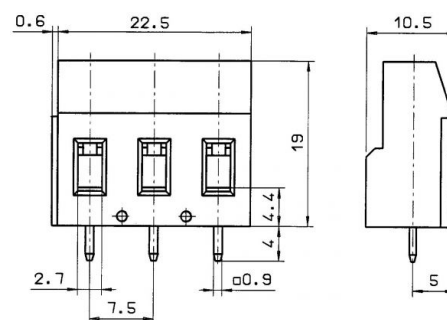
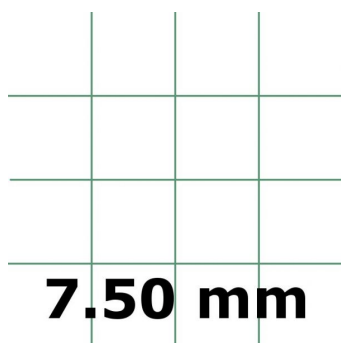
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Media

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**M3**



**CR<sup>®</sup> US**

