PCB terminal block - PT 1,5/3-5,0-H - 1935174

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user’s documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 3, Connection method: Screw connection with wire protector, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, Also possible: Connection of a 1.5 mm² conductor with ferrule, then however with reduction in rated voltage or degree of pollution / surge category.

The figure shows a 10-position version of the product

Why buy this product
- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- High terminal block capacity thanks to rectangular terminal block space
- Allows connection of two conductors
- The latching on the side enables various numbers of positions to be combined

Key Commercial Data

<table>
<thead>
<tr>
<th>Packing unit</th>
<th>250 STK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum order quantity</td>
<td>250 STK</td>
</tr>
<tr>
<td>GTIN</td>
<td>4017918916947</td>
</tr>
<tr>
<td>Weight per Piece (excluding packing)</td>
<td>2.850 g</td>
</tr>
<tr>
<td>Custom tariff number</td>
<td>85369010</td>
</tr>
<tr>
<td>Country of origin</td>
<td>Germany</td>
</tr>
</tbody>
</table>

Technical data

Dimensions

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>9 mm</td>
</tr>
<tr>
<td>Pitch</td>
<td>5 mm</td>
</tr>
<tr>
<td>Dimension a</td>
<td>10 mm</td>
</tr>
<tr>
<td>Constructional height</td>
<td>11.4 mm</td>
</tr>
<tr>
<td>Height</td>
<td>11.3 mm</td>
</tr>
<tr>
<td>Length of the solder pin</td>
<td>3.5 mm</td>
</tr>
</tbody>
</table>
### PCB terminal block - PT 1,5/ 3-5,0-H - 1935174

#### Technical data

**Dimensions**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pin dimensions</td>
<td>1.0 mm</td>
</tr>
<tr>
<td>Pin spacing</td>
<td>5 mm</td>
</tr>
<tr>
<td>Hole diameter</td>
<td>1.3 mm</td>
</tr>
</tbody>
</table>

**General**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of articles</td>
<td>PT 1,5/..-H</td>
</tr>
<tr>
<td>Insulating material group</td>
<td>I</td>
</tr>
<tr>
<td>Rated surge voltage (III/3)</td>
<td>4 kV</td>
</tr>
<tr>
<td>Rated surge voltage (III/2)</td>
<td>4 kV</td>
</tr>
<tr>
<td>Rated surge voltage (II/2)</td>
<td>4 kV</td>
</tr>
<tr>
<td>Rated voltage (III/3)</td>
<td>250 V</td>
</tr>
<tr>
<td>Rated voltage (III/2)</td>
<td>400 V</td>
</tr>
<tr>
<td>Rated voltage (II/2)</td>
<td>630 V</td>
</tr>
<tr>
<td>Connection in acc. with standard</td>
<td>EN-VDE</td>
</tr>
<tr>
<td>Nominal current $I_N$</td>
<td>17.5 A</td>
</tr>
<tr>
<td>Nominal cross section</td>
<td>1.5 mm²</td>
</tr>
<tr>
<td>Maximum load current</td>
<td>17.5 A</td>
</tr>
<tr>
<td>Insulating material</td>
<td>PA</td>
</tr>
<tr>
<td>Solder pin surface</td>
<td>Sn</td>
</tr>
<tr>
<td>Flammability rating according to UL 94</td>
<td>V0</td>
</tr>
<tr>
<td>Internal cylindrical gage</td>
<td>A1</td>
</tr>
<tr>
<td>Stripping length</td>
<td>5 mm</td>
</tr>
<tr>
<td>Number of positions</td>
<td>3</td>
</tr>
<tr>
<td>Screw thread</td>
<td>M2.6</td>
</tr>
<tr>
<td>Tightening torque, min</td>
<td>0.35 Nm</td>
</tr>
<tr>
<td>Tightening torque max</td>
<td>0.4 Nm</td>
</tr>
</tbody>
</table>

**Connection data**

<table>
<thead>
<tr>
<th>Conductors</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor cross section solid min.</td>
<td>0.2 mm²</td>
</tr>
<tr>
<td>Conductor cross section solid max.</td>
<td>2.5 mm²</td>
</tr>
<tr>
<td>Conductor cross section flexible min.</td>
<td>0.2 mm²</td>
</tr>
<tr>
<td>Conductor cross section flexible max.</td>
<td>2.5 mm²</td>
</tr>
<tr>
<td>Conductor cross section flexible, with ferrule without plastic sleeve min.</td>
<td>0.25 mm²</td>
</tr>
<tr>
<td>Conductor cross section flexible, with ferrule without plastic sleeve max.</td>
<td>1.5 mm²</td>
</tr>
<tr>
<td>Conductor cross section flexible, with ferrule with plastic sleeve min.</td>
<td>0.25 mm²</td>
</tr>
<tr>
<td>Conductor cross section flexible, with ferrule with plastic sleeve max.</td>
<td>1.5 mm²</td>
</tr>
<tr>
<td>Conductor cross section AWG min.</td>
<td>26</td>
</tr>
<tr>
<td>Conductor cross section AWG max.</td>
<td>14</td>
</tr>
<tr>
<td>2 conductors with same cross section, solid min.</td>
<td>0.2 mm²</td>
</tr>
<tr>
<td>2 conductors with same cross section, solid max.</td>
<td>0.75 mm²</td>
</tr>
<tr>
<td>2 conductors with same cross section, stranded min.</td>
<td>0.2 mm²</td>
</tr>
<tr>
<td>2 conductors with same cross section, stranded max.</td>
<td>0.75 mm²</td>
</tr>
</tbody>
</table>
PCB terminal block - PT 1,5/ 3-5,0-H - 1935174

Technical data

Connection data

<table>
<thead>
<tr>
<th>Conductors with same cross section, stranded, ferrules without plastic sleeve, min.</th>
<th>0.25 mm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</td>
<td>0.34 mm² The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage.</td>
</tr>
<tr>
<td>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</td>
<td>0.5 mm²</td>
</tr>
<tr>
<td>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</td>
<td>0.75 mm² The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage.</td>
</tr>
</tbody>
</table>

Standards and Regulations

<table>
<thead>
<tr>
<th>Connection in acc. with standard</th>
<th>EN-VDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability rating according to UL 94</td>
<td>V0</td>
</tr>
</tbody>
</table>

Environmental Product Compliance

<table>
<thead>
<tr>
<th>China RoHS</th>
<th>Environmentally Friendly Use Period = 50</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>For details about hazardous substances go to tab &quot;Downloads&quot;, Category &quot;Manufacturer's declaration&quot;</td>
</tr>
</tbody>
</table>

Drawings

Drilling diagram

Diagram

Derating diagram for 5 pins; reduction factor=1

Dimensional drawing
PCB terminal block - PT 1,5/ 3-5,0-H - 1935174

Classifications

eCl@ss

eCl@ss 4.0 272607xx
eCl@ss 4.1 27141109
eCl@ss 5.0 27141190
eCl@ss 5.1 27141190
eCl@ss 6.0 27261101
eCl@ss 7.0 27440401
eCl@ss 8.0 27440401
eCl@ss 9.0 27440401

ETIM

ETIM 3.0  EC001121
ETIM 4.0  EC002643
ETIM 5.0  EC002643
ETIM 6.0  EC002643

UNSPSC

UNSPSC 6.01 30211801
UNSPSC 7.0901 39121432
UNSPSC 11 34131203
UNSPSC 12.01 39121432
UNSPSC 13.2 39121432

Approvals

Approvals

UL Recognized / cUL Recognized / CCA / VDE Gutachten mit Fertigungsüberwachung / CCA / IECEE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

Approval details

<table>
<thead>
<tr>
<th>UL Recognized</th>
<th><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></th>
<th>FILE E 60425</th>
</tr>
</thead>
</table>
| mm²/AWG/kcmil | B  
| 26-12         | D  
| 26-12         | Nominal current IN  
| 18 A          | 10 A          |
PCB terminal block - PT 1,5/ 3-5,0-H - 1935174

### Approvals

<table>
<thead>
<tr>
<th></th>
<th>B</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal voltage UN</td>
<td>300 V</td>
<td>300 V</td>
</tr>
</tbody>
</table>

- **cUL Recognized**
  - [http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm](http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm)
  - FILE E 60425

<table>
<thead>
<tr>
<th></th>
<th>B</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm²/AWG/kcmil</td>
<td>26-12</td>
<td>26-12</td>
</tr>
<tr>
<td>Nominal current IN</td>
<td>18 A</td>
<td>10 A</td>
</tr>
<tr>
<td>Nominal voltage UN</td>
<td>300 V</td>
<td>300 V</td>
</tr>
</tbody>
</table>

- **CCA**
  - 40031691

<table>
<thead>
<tr>
<th></th>
<th>B</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm²/AWG/kcmil</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Nominal current IN</td>
<td>16 A</td>
<td></td>
</tr>
<tr>
<td>Nominal voltage UN</td>
<td></td>
<td>250 V</td>
</tr>
</tbody>
</table>

- **VDE Gutachten mit Fertigungsüberwachung**
  - [http://www.iecee.org/](http://www.iecee.org/)
  - DE1-47795

<table>
<thead>
<tr>
<th></th>
<th>B</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm²/AWG/kcmil</td>
<td>0.2-2.5</td>
<td></td>
</tr>
<tr>
<td>Nominal current IN</td>
<td>24 A</td>
<td></td>
</tr>
<tr>
<td>Nominal voltage UN</td>
<td>250 V</td>
<td></td>
</tr>
</tbody>
</table>

- **IECEE CB Scheme**
  - DE1-47795

<table>
<thead>
<tr>
<th></th>
<th>B</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm²/AWG/kcmil</td>
<td>0.2-2.5</td>
<td></td>
</tr>
<tr>
<td>Nominal current IN</td>
<td>24 A</td>
<td></td>
</tr>
<tr>
<td>Nominal voltage UN</td>
<td>250 V</td>
<td></td>
</tr>
</tbody>
</table>
PCB terminal block - PT 1,5/3-5,0-H - 1935174

Approvals

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>mm²/AWG/kcmil</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Nominal current IN</td>
<td>16 A</td>
<td></td>
</tr>
<tr>
<td>Nominal voltage UN</td>
<td>250 V</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EAC</th>
<th>B.01742</th>
</tr>
</thead>
<tbody>
<tr>
<td>cULus Recognized</td>
<td><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></td>
</tr>
</tbody>
</table>

Accessories

Accessories
Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183

Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053

Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip