

## PCB terminal block - PT 1,5/ 9-5,0-H - 1935239

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>)

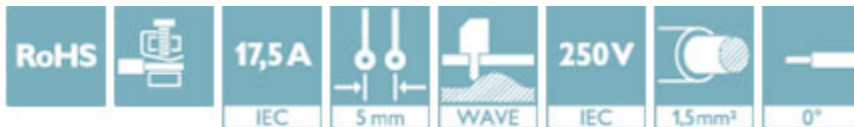
PCB terminal block, nominal current: 17.5 A, pitch: 5 mm, number of positions: 9, connection method: Screw connection with wire protector, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green



The figure shows a 10-position version of the product

### Your advantages

- ✓ 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

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| Minimum order quantity               | 100 pc                                                                                                  |
| GTIN                                 | <br>4 017918 917005 |
| GTIN                                 | 4017918917005                                                                                           |
| Weight per Piece (excluding packing) | 9.060 g                                                                                                 |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | China                                                                                                   |

### Technical data

#### Dimensions

|              |       |
|--------------|-------|
| Length [ l ] | 9 mm  |
| Pitch        | 5 mm  |
| Dimension a  | 40 mm |

# PCB terminal block - PT 1,5/ 9-5,0-H - 1935239

## Technical data

### Dimensions

|                |         |
|----------------|---------|
| Width [ w ]    | 45 mm   |
| Height         | 11.4 mm |
| Height [ h ]   | 14.9 mm |
| Solder pin [P] | 3.5 mm  |
| Pin spacing    | 5 mm    |
| Hole diameter  | 1.3 mm  |

### General

|                                        |                     |
|----------------------------------------|---------------------|
| Range of articles                      | PT 1,5/...-H        |
| Insulating material group              | I                   |
| Rated surge voltage (III/3)            | 4 kV                |
| Rated surge voltage (III/2)            | 4 kV                |
| Rated surge voltage (II/2)             | 4 kV                |
| Rated voltage (III/3)                  | 250 V               |
| Rated voltage (III/2)                  | 400 V               |
| Rated voltage (II/2)                   | 630 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 17.5 A              |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Maximum load current                   | 17.5 A              |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A1                  |
| Stripping length                       | 5 mm                |
| Number of positions                    | 9                   |
| Screw thread                           | M2,6                |
| Tightening torque, min                 | 0.35 Nm             |
| Tightening torque max                  | 0.4 Nm              |

### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                         | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1.5 mm <sup>2</sup>  |

## PCB terminal block - PT 1,5/ 9-5,0-H - 1935239

### Technical data

#### Connection data

|                                                                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor cross section AWG min.                                                        | 26                                                                                                                                                                                                                                |
| Conductor cross section AWG max.                                                        | 14                                                                                                                                                                                                                                |
| 2 conductors with same cross section, solid min.                                        | 0.2 mm <sup>2</sup>                                                                                                                                                                                                               |
| 2 conductors with same cross section, solid max.                                        | 0.75 mm <sup>2</sup>                                                                                                                                                                                                              |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>                                                                                                                                                                                                               |
| 2 conductors with same cross section, stranded max.                                     | 0.75 mm <sup>2</sup>                                                                                                                                                                                                              |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup>                                                                                                                                                                                                              |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.34 mm <sup>2</sup> 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. |
| 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. | 0.75 mm <sup>2</sup> 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. |

#### Standards and Regulations

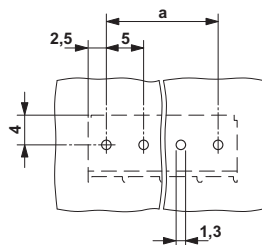
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CUL    |
| Flammability rating according to UL 94 | V0     |

#### Environmental Product Compliance

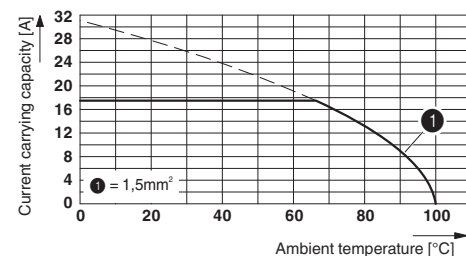
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
|            | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

Drilling diagram



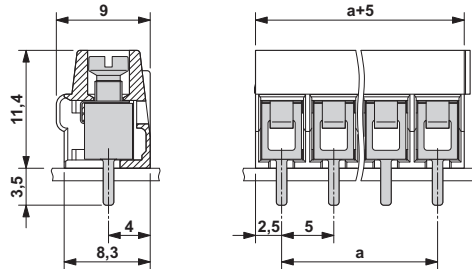
Diagram



Derating diagram for 5 pins; reduction factor=1

## PCB terminal block - PT 1,5/ 9-5,0-H - 1935239

Dimensional drawing



### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27261100 |
| eCl@ss 6.0 | 27261100 |
| 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 |
| ETIM 7.0 | EC002643 |

#### UNSPSC

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

### Approvals

#### Approvals

## PCB terminal block - PT 1,5/ 9-5,0-H - 1935239

### Approvals

#### Approvals

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

#### Ex Approvals

#### Approval details

|                    |                                                                                   |                                                           |           |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|-----------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-61760 |
| Nominal voltage UN | 250 V                                                                             |                                                           |           |
| Nominal current IN | 24 A                                                                              |                                                           |           |
| mm²/AWG/kcmil      | 0.2-2.5                                                                           |                                                           |           |

|                    |                                                                                     |                                                                                                                                                     |            |
|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| SEV                |  | <a href="https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html</a> | IK-3558-M2 |
| Nominal voltage UN | 250 V                                                                               |                                                                                                                                                     |            |
| Nominal current IN | 16 A                                                                                |                                                                                                                                                     |            |
| mm²/AWG/kcmil      | 2.5                                                                                 |                                                                                                                                                     |            |

|                                            |                                                                                     |                                                                                                                                                                                                           |          |
|--------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40031691 |
| Nominal voltage UN                         | 250 V                                                                               |                                                                                                                                                                                                           |          |
| Nominal current IN                         | 24 A                                                                                |                                                                                                                                                                                                           |          |
| mm²/AWG/kcmil                              | 0.2-2.5                                                                             |                                                                                                                                                                                                           |          |

|     |                                                                                     |         |  |
|-----|-------------------------------------------------------------------------------------|---------|--|
| EAC |  | B.01742 |  |
|-----|-------------------------------------------------------------------------------------|---------|--|

# PCB terminal block - PT 1,5/ 9-5,0-H - 1935239

## Approvals

|                    |                                                                                   |                                                                                                                                                       |                 |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cULus 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> | E60425-20030211 |
|                    | B                                                                                 | D                                                                                                                                                     |                 |
| Nominal voltage UN | 300 V                                                                             | 300 V                                                                                                                                                 |                 |
| Nominal current IN | 18 A                                                                              | 10 A                                                                                                                                                  |                 |
| mm²/AWG/kcmil      | 26-12                                                                             | 26-12                                                                                                                                                 |                 |

|                    |               |
|--------------------|---------------|
| CCA                | CCA/DE1 34714 |
| Nominal voltage UN | 250 V         |
| Nominal current IN | 24 A          |
| mm²/AWG/kcmil      | 0.2-2.5       |

## Accessories

### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 6 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

#### Labeled terminal marker

## PCB terminal block - PT 1,5/ 9-5,0-H - 1935239

### Accessories

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 size: 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