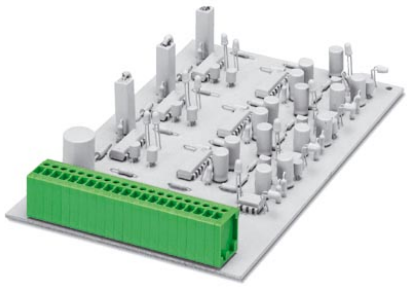
**Extract from the online catalog**

# FRONT 1,5-V-3,81

Order No.: 1707742

The illustration shows a combination as a 21-position version



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1707742

PC terminal block, Nominal current: 17.5 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 1, Type of connection: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green, The article can be aligned to create different nos. of positions!

Product notes

WEEE/RoHS-compliant since: 02/24/2005

http://www.download.phoenixcontact.com
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## Commercial data

| | |
|---|---|
| GTIN (EAN) | 4 017918 125882 |
| sales group | E053 |
| Pack | 50 pcs. |
| Customs tariff | 85369010 |

## Technical data

### Dimensions / positions

| | |
|---|---|
| Length | 15.9 mm |
| Pitch | 3.81 mm |
| Number of positions | 1 |
| Pin dimensions | 0,8 x 0,8 mm |
| Hole diameter | 1.2 mm |

| | |
|---|---|
| Screw thread | M2 |
| Tightening torque, min | 0.22 Nm |
| Tightening torque max | 0.25 Nm |

**Technical data**

| | |
|---|---|
| Range of articles | FRONT 1,5-V |
| 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) | 200 V |
| Rated voltage (III/2) | 320 V |
| Rated voltage (II/2) | 500 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 17.5 A |
| Nominal cross section | 1.5 mm² |
| Maximum load current | 17.5 A (with 1.5 $mm^2$ conductor cross section) |
| Insulating material | PA |
| Inflammability class acc. to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 9 mm |
| Nominal voltage, UL/CUL Use Group B | 250 V |
| Nominal current, UL/CUL Use Group B | 10 A |
| Nominal voltage, UL/CUL Use Group D | 300 V |
| Nominal current, UL/CUL Use Group D | 10 A |

**Connection data**

| | |
|---|---|
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 1.5 mm² |
| Conductor cross section stranded min. | 0.14 mm² |
| Conductor cross section stranded max. | 1.5 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.5 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 1.5 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm² |

| | |
|---|---|
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 0.75 mm² |
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 16 |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 0.75 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 0.75 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.34 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm² |
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 14 |

## Certificates / Approvals

| | |
|---|---|
| Certification | CUL, GOST, UL |

## Accessories

| Item | Designation | Description |
|---|---|---|
| **Assembly** | | |
| 1707755 | D-FRONT 1,5-V | End cover, necessary at the end of a terminal row, 2.54 mm thick, color: green |
| **Marking** | | |
| 1051993 | B-STIFT | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm |

| | | |
|---|---|---|
| 0804109 | SK 3,81/2,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 140 terminal blocks |
| 0805056 | SK 3,81/2,8:SO | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 14 identical marker strips per card, max. 25-position labeling per strip, color: White |

**Tools**

| | | |
|---|---|---|
| 1205037 | SZS 0,4X2,5 VDE | Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip |

## Additional products

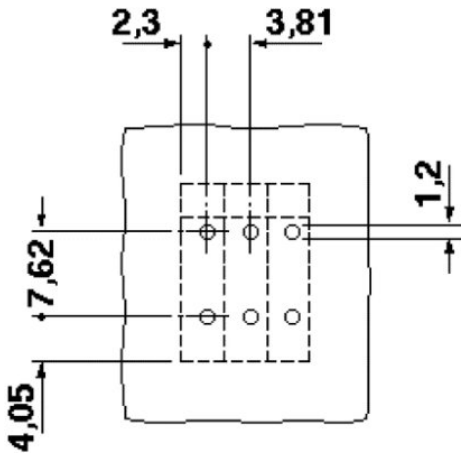
| Item | Designation | Description |
|---|---|---|

**Assembly**

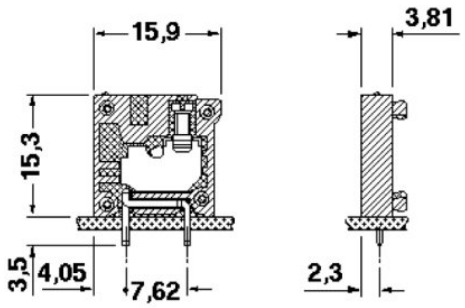
| | | |
|---|---|---|
| 1707755 | D-FRONT 1,5-V | End cover, necessary at the end of a terminal row, 2.54 mm thick, color: green |

## Diagrams/Drawings

Drilling plan/solder pad geometry



Dimensioned drawing



## Address

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