

KDS 4

Order No.: 1780507



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1780507>

PC terminal block, Nominal current: 41 A, Nom. voltage: 320 V, Pitch: 7.5 mm, Number of positions: 1, Type of connection: Screw connection, Assembly: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

| Commercial data | |
|--------------------------|-------------------|
| GTIN (EAN) | 4017918040918 |
| sales group | E510 |
| Pack | 50 pcs. |
| Customs tariff | 85369010 |
| Weight/Piece | 0.005269 KG |
| Catalog page information | Page 95 (CC-2009) |

Product notes

WEEE/RoHS-compliant since: 01/01/2003



<http://www.download.phoenixcontact.com>
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Technical data

| Dimensions / positions | |
|------------------------|---------|
| Length | 20.6 mm |
| Pitch | 7.5 mm |
| Number of positions | 1 |

| | |
|------------------------|--------------|
| Pin dimensions | 0,9 x 0,9 mm |
| Hole diameter | 1.3 mm |
| Screw thread | M3 |
| Tightening torque, min | 0.6 Nm |
| Tightening torque max | 0.8 Nm |

Technical data

| | |
|-------------------------------------|---|
| 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/2) | 320 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 41 A |
| Nominal voltage U_N | 320 V |
| Nominal cross section | 4 mm ² |
| Maximum load current | 41 A (with 6 mm ² conductor cross section) |
| Insulating material | PA |
| Inflammability class acc. to UL 94 | V0 |
| Internal cylindrical gage | A3 |
| Stripping length | 8 mm |
| Nominal voltage, UL/CUL Use Group B | 300 V |
| Nominal current, UL/CUL Use Group B | 30 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. | 0.2 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 4 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 4 mm ² |

| | |
|---|----------------------|
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 4 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 10 |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm ² |
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 10 |

Certificates / Approvals



Certification

CCA, CSA, CUL, GL, GOST, RS, SEV, UL

CSA

| | |
|-----------------------|-------|
| Nominal voltage U_N | 300 V |
| Nominal current I_N | 10 A |
| AWG/kcmil | 28-10 |

CUL

| | |
|-----------------------|-------|
| Nominal voltage U_N | 300 V |
| Nominal current I_N | 10 A |
| AWG/kcmil | 30-10 |

UL

| | |
|-----------------------|-------|
| Nominal voltage U_N | 300 V |
| Nominal current I_N | 10 A |
| AWG/kcmil | 30-10 |

Accessories

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

Assembly

| | | |
|---------|----------|--|
| 1705058 | RZ-KDS 4 | Pitch spacer, raises the pitch by 2.5 mm, interlocks with terminal block of the same shape, color: green |
|---------|----------|--|

Marking

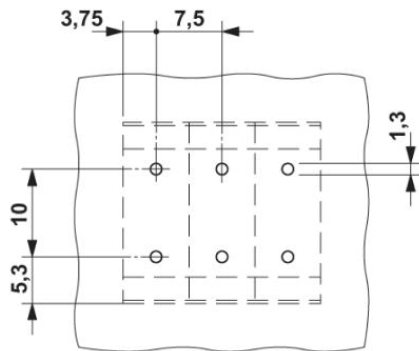
| | | |
|---------|--------------------------------|--|
| 1400052 | BNB-ZB 7,5,LGS:FORTL.ZAHLEN | BNB Zack strip, printed horizontally: 10-section, divisible, with consecutive numbers, 1-10, 11-20 etc. up to 991-1000 |
| 0804468 | SK 7,5/5:FORTL.ZAHLEN | Marker card, self-adhesive, 10-section marker strip, 10 identical decades marked 1-10, 11-20 etc. up to 91-100, sufficient for 100 terminal blocks |

Tools

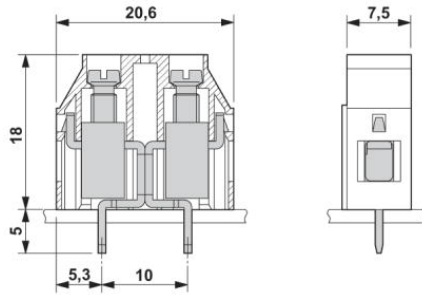
| | | |
|---------|-------------|--|
| 1205053 | SZS 0,6X3,5 | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm ² connection cross section, blade: 0.6 x 3.5 mm, without VDE approval |
|---------|-------------|--|

Diagrams/Drawings

Drilling plan/solder pad geometry



Dimensioned drawing



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