

KDS 4

Order No.: 1780507

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

Printed circuit terminal block, nominal current: 41 A, rated voltage: 320 V, pitch: 7.5 mm, no. of positions: 1, mounting: Soldering, type of connection: Screw connection, connection direction from the conductor to the PCB: 0°

| Commercial data | |
|--------------------------|--------------------|
| EAN | 4017918040918 |
| Pack | 50 Pcs. |
| Customs tariff | 85369010 |
| Weight/Piece | 0.005329 KG |
| Catalog page information | Page 105 (CC-2007) |

Product notes

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

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

| | |
|---------------------|--------------|
| Pitch | 7.5 mm |
| Number of positions | 1 |
| Pin dimensions | 0,9 x 0,9 mm |

| | |
|------------------------|--------|
| Hole diameter | 1.3 mm |
| Screw thread | M 3 |
| Tightening torque, min | 0.6 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 |

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 |

Certificates / Approvals

Approval logo



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

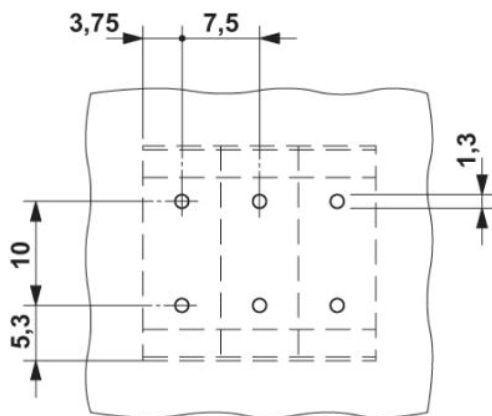
| | |
|--------------------------------|--------------------------------------|
| Nominal voltage U _N | 300 V |
| Nominal current I _N | 10 A |
| AWG/kcmil | 30-10 |
| Certification | CCA, CSA, CUL, GL, GOST, RS, SEV, UL |

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 |

Drawings

Drilling diagram



Dimensioned drawing

