


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, Connection method: Screw
connection, Mounting: Soldering, Conductor/PCB connection direction:
0 °, Color: green, The article can be aligned to create different nos. of
positions!

Commercial data

GTIN (EAN)	 4 017918 040918
sales group	E510
Pack	50 pcs.
Customs tariff	85369010
Catalog page information	Page 119 (CC-2011)

Product notes

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



[http://
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)
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here has been taken from the
online catalog. For comprehensive
information and data, please refer
to the user documentation. The
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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

Range of articles	KDS 4
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)	320 V
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 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

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

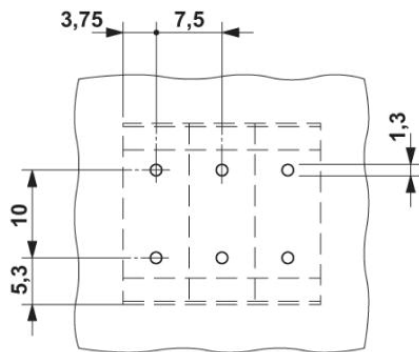
1400052	BNB-ZB 7,5,LGS:FORTL.ZAHLEN	BNB Zack strip, printed horizontally: 10-section, divisible, with consecutive numbers, 1-10, 11-20 etc. up to 991-1000
0804468	SK 7,5/5:FORTL.ZAHLEN	Marker card, self-adhesive, 10-section marker strip, 10 identical decades marked 1-10, 11-20 etc. up to 91-100, sufficient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

Tools

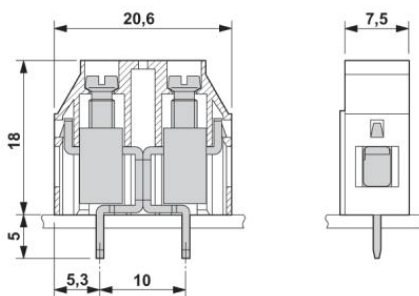
1205053	SZS 0,6X3,5	Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
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Diagrams/Drawings

Drilling plan/solder pad geometry



Dimensioned drawing



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