

## ZFKDS 2,5-5,08 THT


Order No.: 1990245



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1990245>

PC terminal block, Nominal current: 24 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 1, Connection method: Spring-cage conn., Mounting: SMD/THT/THR, Conductor/PCB connection direction: 45 °, Color: black, Spring-cage printed circuit terminal block for through-hole reflow applications. Article can be aligned with various number of positions.

### Commercial data

GTIN (EAN)	 4 017918 947538
Note	Made-to-order
sales group	E077
Pack	50 pcs.
Customs tariff	85369010
Catalog page information	Page 127 (CC-2011)

### Product notes

WEEE/RoHS-compliant since:  
11/19/2003



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### Technical data

#### Dimensions / positions

Length	16.85 mm
Pitch	5.08 mm

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Number of positions	1
Pin dimensions	0,8 x 0,8 mm
Hole diameter	1.3 mm

**Technical data**

Range of articles	ZFKDS 2,5-THT
Insulating material group	IIIa
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)	320 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	24 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	24 A
Insulating material	PA
Inflammability class acc. to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 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.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>

Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	12

#### Certificates / Approvals



Certification CUL, UL

#### Accessories

Item	Designation	Description
<b>General</b>		
1905214	ZFKDS 2,5-5,08 L	PC terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 1, Connection method: Spring-cage conn., Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green, The article can be aligned to create different nos. of positions!
1905010	ZFKDSA 2,5-6,08 R	PC terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 1, Connection method: Spring-cage conn., Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green, The article can be aligned to create different nos. of positions!

#### Marking

1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0804303	SK 5,08/3,8: 0-9	Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked 0-9, sufficient for 120 terminal blocks
0804293	SK 5,08/3,8:FORTL.ZAHLEN	Marker card, printed horizontally, self-adhesive, 12 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 120 terminal blocks
0804293	SK 5,08/3,8:FORTL.ZAHLEN	Marker card, printed horizontally, self-adhesive, 12 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 120 terminal blocks

0805085	SK 5,08/3,8:SO	Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 12 identical marker strips per card, max. 25-position labeling per strip, color: white
0805412	SK 5,08/3,8:UNBEDRUCKT	Marker cards, unprinted, with pitch divisions, self-adhesive, 10-section marker strips, 12 strips per card, can be labeled with the M-PEN

**Tools**

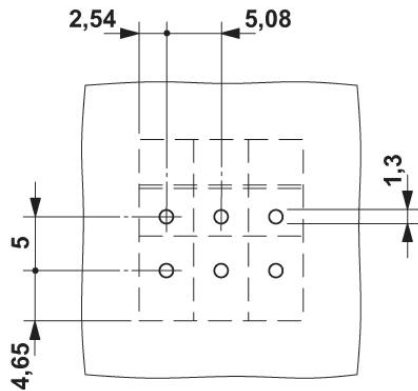
1204517	SZF 1-0,6X3,5	Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
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**Additional products**

Item	Designation	Description
<b>General</b>		
1990261	ZFKDS 2,5-5,08 L THT	PC terminal block, Nominal current: 24 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 1, Connection method: Spring-cage conn., Mounting: SMD/THT/THR, Conductor/PCB connection direction: 45 °, Color: black
1990258	ZFKDSA 2,5-6,08 R THT	PC terminal block, Nominal current: 24 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 1, Connection method: Spring-cage conn., Mounting: SMD/THT/THR, Conductor/PCB connection direction: 45 °, Color: black

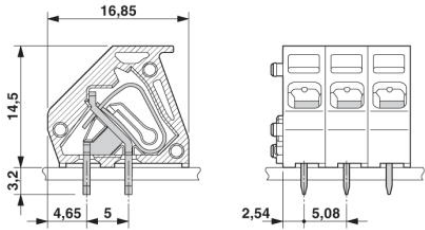
**Diagrams/Drawings**

Drilling plan/solder pad geometry



Dimensioned drawing

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**Address**

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