

**MKDS 5/ 2-9,5**

Order No.: 1714971

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1714971>

PCB terminal block, nominal current: 32 A, rated voltage: 690 V, pitch:  
9.5 mm, no. of positions: 2, mounting: Soldering, type of connection:  
Screw connection, connection direction from the conductor to the PCB:  
0°

**Commercial data**

EAN	4017918024116
Pack	50 Pcs.
Customs tariff	85369010
Weight/Piece	0.006521 KG
Catalog page information	Page 283 (CC-2007)

**Product notes**

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



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
here has been taken from the  
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information and data, please refer  
to the user documentation. The  
General Terms and Conditions of  
Use apply to Internet downloads.

**Technical data****Dimensions / positions**

Height	21.5 mm
Width	12.5 mm
Pitch	9.52 mm

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Dimension a	9.52 mm
Number of positions	2
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm
Screw thread	M 3
Tightening torque, min	0.5 Nm

**Technical data**

Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	32 A
Nominal voltage $U_N$	690 V
Nominal cross section	4 mm <sup>2</sup>
Maximum load current	32 A (with 6 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Inflammability class acc. to UL 94	V0
Internal cylindrical gage	A4
Stripping length	8 mm

**Connection data**

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 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.	4 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.	4 mm <sup>2</sup>

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 <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm <sup>2</sup>

#### Certificates / Approvals

#### Approval logo



#### CSA

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	30 A
AWG/kcmil	28-10

#### CUL

Nominal voltage U <sub>N</sub>	600 V
Nominal current I <sub>N</sub>	30 A
AWG/kcmil	30-10

#### UL

Nominal voltage U <sub>N</sub>	600 V
Nominal current I <sub>N</sub>	30 A
AWG/kcmil	30-10
Certification	CCA, CSA, CUL, GL, GOST, RS, SEV, UL

### Accessories

Item	Designation	Description
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### Marking

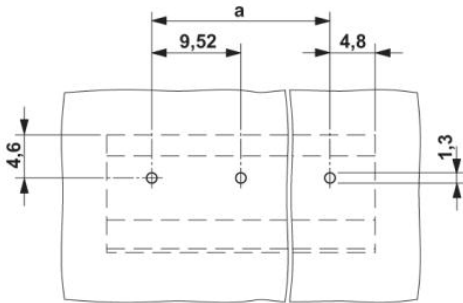
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
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### Tools

1205053	SZS 0,6X3,5	Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm <sup>2</sup> connection cross section, blade: 0.6 x 3.5 mm, without VDE approval
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### Drawings

Drilling diagram



Dimensioned drawing

