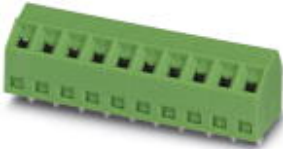


PCB terminal block - SMKDS 1/ 2-3,5 - 1751099

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PCB terminal block, Nominal current: 10 A, Nom. voltage: 200 V, Pitch: 3.5 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 35 °, Color: green

The figure shows a 10-position version of the product

Why buy this product

- ✔ Well-known connection principle allows worldwide use
- ✔ Low temperature rise, thanks to maximum contact force
- ✔ Allows connection of two conductors
- ✔ Angled connection enables multi-row arrangement on the PCB
- ✔ Extremely small design for the respective conductor cross section



Key Commercial Data

Packing unit	250 STK
GTIN	 4 017918 103699
GTIN	4017918103699
Custom tariff number	8536901900
Sales Key	AAABAA

Technical data

Dimensions

Length	10 mm
Pitch	3.5 mm
Dimension a	3.5 mm
Width	7.5 mm
Constructional height	9.5 mm
Height	13 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,5 x 0,9 mm

<https://www.phoenixcontact.com/cn/products/1751099>

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Technical data

Dimensions

Hole diameter	1.1 mm
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General

Range of articles	SMKDS 1
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	200 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	10 A
Nominal cross section	1 mm ²
Maximum load current	12 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	5 mm
Number of positions	2
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.2 mm ²

Standards and Regulations

Connection in acc. with standard	EN-VDE
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PCB terminal block - SMKDS 1/ 2-3,5 - 1751099

Technical data

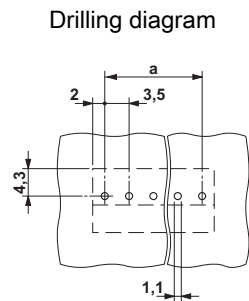
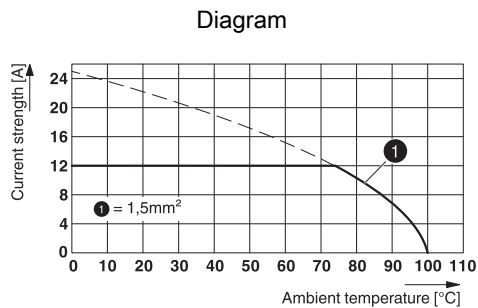
Standards and Regulations

	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

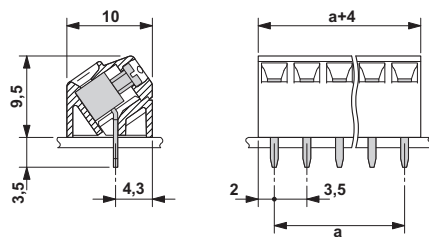
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings



Type: SMKDS 1/5-3,5
Tested according to DIN EN 60512-5-2:2003-01
Reduction factor = 1
Number of positions: 5

Dimensional drawing



Approvals

Approvals

Approvals

CSA / SEV / CCA / IECCEB Scheme / EAC / cULus Recognized / CCA / IECCEB Scheme

Ex Approvals

<https://www.phoenixcontact.com/cn/products/1751099>

PCB terminal block - SMKDS 1/ 2-3,5 - 1751099

Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	D	
mm²/AWG/kcmil	28-16	28-16	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	150 V	300 V	

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm²/AWG/kcmil	1.5		
Nominal current I _N	12 A		
Nominal voltage U _N	125 V		

CCA	IK-2722
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IECEE CB Scheme		http://www.iecee.org/	CH-8225
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EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427
	B	D	
mm²/AWG/kcmil	30-16	30-16	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	300 V	300 V	

CCA	IK-2722
mm²/AWG/kcmil	1.5
Nominal current I _N	12 A
Nominal voltage U _N	125 V

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Approvals

IECEE CB Scheme				http://www.iecee.org/	CH-8225
mm²/AWG/kcmil				1.5	
Nominal current I _N				12 A	
Nominal voltage U _N				125 V	

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