

https://www.phoenixcontact.com/cn/products/1720046



PCB terminal block - SMKDS 5/ 3-6,35 - 1720046

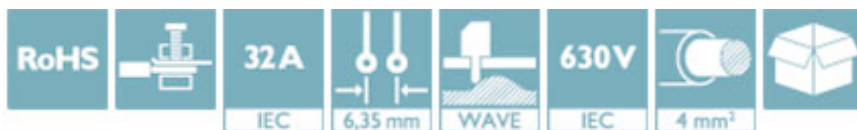
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PCB terminal block, Nominal current: 32 A, Nom. voltage: 630 V, Pitch: 6.35 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 35 °, Color: green, The article can be aligned to create different nos. of positions!

Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- The latching on the side enables various numbers of positions to be combined
- Angled connection enables multi-row arrangement on the PCB



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 025007
GTIN	4017918025007
Custom tariff number	8536901900
Sales Key	AABBAA

Technical data

Dimensions

Length	18.5 mm
Pitch	6.35 mm
Dimension a	12.7 mm
Width	19.05 mm
Constructional height	22 mm
Height	27 mm
Length of the solder pin	5 mm
Pin dimensions	0,9 x 0,9 mm

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Technical data

Dimensions

Hole diameter	1.3 mm
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General

Range of articles	SMKDS 5
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/3)	500 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	32 A
Nominal cross section	4 mm ²
Maximum load current	32 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V2
Internal cylindrical gage	A4
Stripping length	8 mm
Number of positions	3
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 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.	4 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.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG 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.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²

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Technical data

Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 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

Standards and Regulations

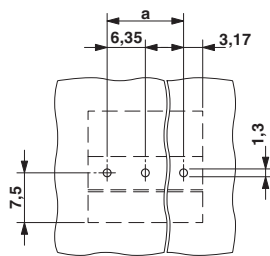
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V2

Environmental Product Compliance

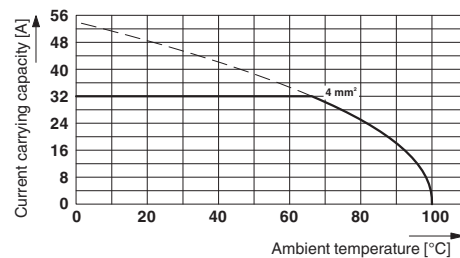
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Drilling diagram

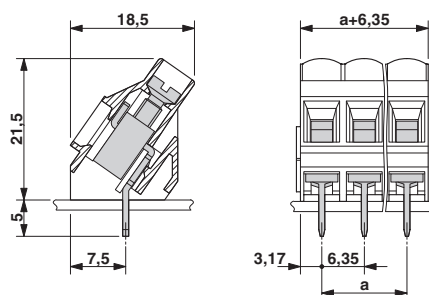


Diagram



Type: SMKDS 5/2-6,35 and SMKDS 5/3-6,35
 Test following DIN EN 60512-5-2:2003-01
 Reduction factor = 1
 No. of positions: 5

Dimensional drawing



Approvals

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Approvals


Approvals


CSA / UL Recognized / SEV / cUL Recognized / CCA / EAC / cULus Recognized


Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	D	
mm ² /AWG/kcmil	28-10	28-10	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	300 V	300 V	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	D	
mm ² /AWG/kcmil	30-10	30-10	
Nominal current I _N	30 A	10 A	
Nominal voltage U _N	250 V	300 V	

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3248
mm ² /AWG/kcmil	4		
Nominal current I _N	32 A		
Nominal voltage U _N	450 V		

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	D	
mm ² /AWG/kcmil	30-10	30-10	
Nominal current I _N	30 A	10 A	
Nominal voltage U _N	250 V	300 V	

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Approvals

CCA	IK-3249
mm²/AWG/kcmil	4
Nominal voltage UN	450 V

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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