

https://www.phoenixcontact.com/cn/products/1931770



PCB terminal block - SMKDS 1,5/ 2-3,5 - 1931770

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

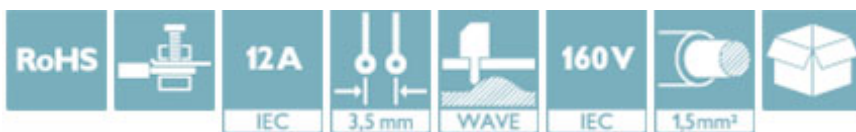


PCB terminal block, Nominal current: 12 A, Nom. voltage: 160 V, Pitch: 3.5 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 35 °, Color: green


The illustration shows the versions SMKDS 1,5/2 and SMKDS 1,5/3 when plugged in

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
- ✓ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 899530
GTIN	4017918899530
Custom tariff number	8536909000
Sales Key	AAABEA

Technical data

Dimensions

Length	13.7 mm
Pitch	3.5 mm
Dimension a	3.5 mm
Constructional height	12 mm
Height	12 mm
Length of the solder pin	3.5 mm

<https://www.phoenixcontact.com/cn/products/1931770>

PCB terminal block - SMKDS 1,5/ 2-3,5 - 1931770

Technical data

Dimensions

Pin dimensions	0,6 x 1 mm
Pin spacing	3.5 mm
Hole diameter	1.3 mm

General

Range of articles	SMKDS 1,5
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)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	12 A
Nominal cross section	1.5 mm ²
Maximum load current	12 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 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.	0.08 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.08 mm ²
Conductor cross section flexible max.	1.5 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.	1.5 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.	1.5 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.08 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.08 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²

https://www.phoenixcontact.com/cn/products/1931770



PCB terminal block - SMKDS 1,5/ 2-3,5 - 1931770

Technical data

Connection data

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.	0.34 mm ²

Standards and Regulations

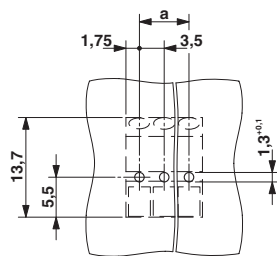
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

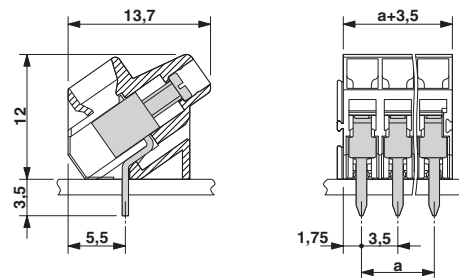
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Drilling diagram



Dimensional drawing



Approvals

Approvals

Approvals

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

Ex Approvals


Approval details

<https://www.phoenixcontact.com/cn/products/1931770>




PCB terminal block - SMKDS 1,5/ 2-3,5 - 1931770


Approvals

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm ² /AWG/kcmil	1.5		
Nominal current IN	12 A		
Nominal voltage UN	125 V		


CCA	IK-2722
-----	---------

IECEE CB Scheme		http://www.iecee.org/	CH-8225
-----------------	---	---	---------

EAC		B.01742
-----	--	---------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427
	B	D	
mm ² /AWG/kcmil	30-14	30-14	
Nominal current IN	10 A	10 A	
Nominal voltage UN	250 V	300 V	

CCA	IK-2722
mm ² /AWG/kcmil	1.5
Nominal current IN	12 A
Nominal voltage UN	125 V

IECEE CB Scheme		http://www.iecee.org/	CH-8225
mm ² /AWG/kcmil	1.5		
Nominal current IN	12 A		
Nominal voltage UN	125 V		