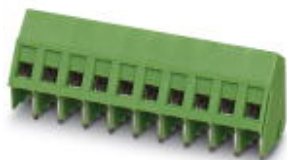


PCB terminal block - SMKDSP 1,5/16 - 1757549

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PCB terminal block, nominal current: 17.5 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 16, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 55 °, color: green. The article can be aligned to create different nos. of positions!



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
- ✓ Quick and convenient testing using integrated test option
- ✓ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	50 STK
GTIN	
GTIN	4046356341042

Technical data

Dimensions

Length [l]	13.4 mm
Pitch	5 mm
Dimension a	75 mm
Width [w]	80 mm
Constructional height	15.3 mm
Height [h]	18.6 mm
Solder pin [P]	3.5 mm
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm

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Technical data

General

Range of articles	SMKDSP 1,5
Insulating material group	I
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)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	17.5 A
Nominal cross section	1.5 mm ²
Maximum load current	22 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	16
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.14 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.	26
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
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.	0.5 mm ²

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Technical data

Connection data

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.	1 mm ²

Standards and Regulations

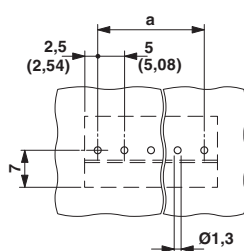
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

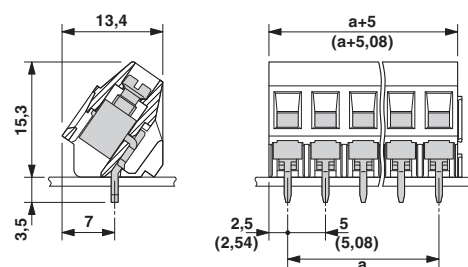
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Drilling diagram



Dimensional drawing



Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

PCB terminal block - SMKDSP 1,5/16 - 1757549

Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
mm²/AWG/kcmil	28-14	28-14	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	300 V	300 V	

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm²/AWG/kcmil	2.5		
Nominal current I _N	22 A		
Nominal voltage U _N	250 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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CCA	IK-2722
mm²/AWG/kcmil	2.5
Nominal current I _N	22 A
Nominal voltage U _N	250 V

IECEE CB Scheme		http://www.iecee.org/	CH-8225
mm²/AWG/kcmil	2.5		
Nominal current I _N	22 A		
Nominal voltage U _N	250 V		

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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19870331
	B	D
mm²/AWG/kcmil	30-14	30-14
Nominal current I _N	15 A	10 A
Nominal voltage U _N	250 V	300 V

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