

PCB terminal block - SMKDS 2,5/ 5-5,08 - 1702558

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PCB terminal block, nominal current: 20 A, nom. voltage: 400 V, pitch: 5.08 mm, number of positions: 5, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 50 °, color: green


The figure shows the 3-pos. version

Why buy this product

- Screwdriver axis vertical to the PCB
- 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
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve
- The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 592123
GTIN	4046356592123

Technical data

Dimensions

Length [l]	14.25 mm
Pitch	5.08 mm
Dimension a	20.32 mm
Width [w]	25.4 mm
Constructional height	19.4 mm
Height [h]	22.9 mm
Solder pin [P]	3.5 mm
Pin dimensions	1 x 0,9 mm
Hole diameter	1.4 mm

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Technical data

General

Range of articles	SMKDS 2,5
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	20 A
Nominal cross section	2.5 mm ²
Internal cylindrical gage	A3
Stripping length	11 mm
Number of positions	5
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

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.	0.75 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.	0.75 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.	1.5 mm ²

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA

Environmental Product Compliance

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

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Approvals


Approvals


Approvals


SEV / CSA / EAC / IECEE CB Scheme / cULus Recognized


Ex Approvals

Approval details

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm ² /AWG/kcmil	2.5		
Nominal current I _N	24 A		
Nominal voltage U _N	250 V		


CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
mm ² /AWG/kcmil	28-12	28-12	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	300 V	300 V	

EAC		B.01742
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IECEE CB Scheme		http://www.iecee.org/	CH-8225
mm ² /AWG/kcmil	2.5		
Nominal current I _N	24 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
mm ² /AWG/kcmil	30-12	30-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	250 V	300 V

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