

## PCB terminal block - SMKDSP 1,5/ 3 - 1733428

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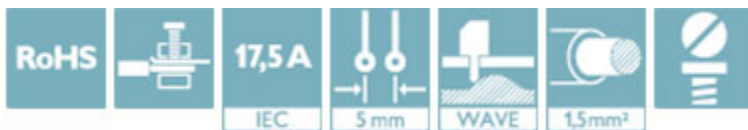
PCB terminal block, nominal current: 17.5 A, pitch: 5 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 55 °, color: green. The article can be aligned to create different nos. of positions!




The figure shows a 10-position version of the product

### Your advantages

- ✓ 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	1 pc
Minimum order quantity	250 pc
GTIN	
GTIN	4017918026561
Weight per Piece (excluding packing)	4.480 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	13.4 mm
Pitch	5 mm

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## Technical data

### Dimensions

Dimension a	10 mm
Width [ w ]	15 mm
Height	15.3 mm
Height [ h ]	18.6 mm
Solder pin [P]	3.5 mm
Hole diameter	1.3 mm

### 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 <sup>2</sup>
Maximum load current	22 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 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.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>

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### Technical data

#### 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 <sup>2</sup>
2 conductors with same cross section, solid max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>

#### Standards and Regulations

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

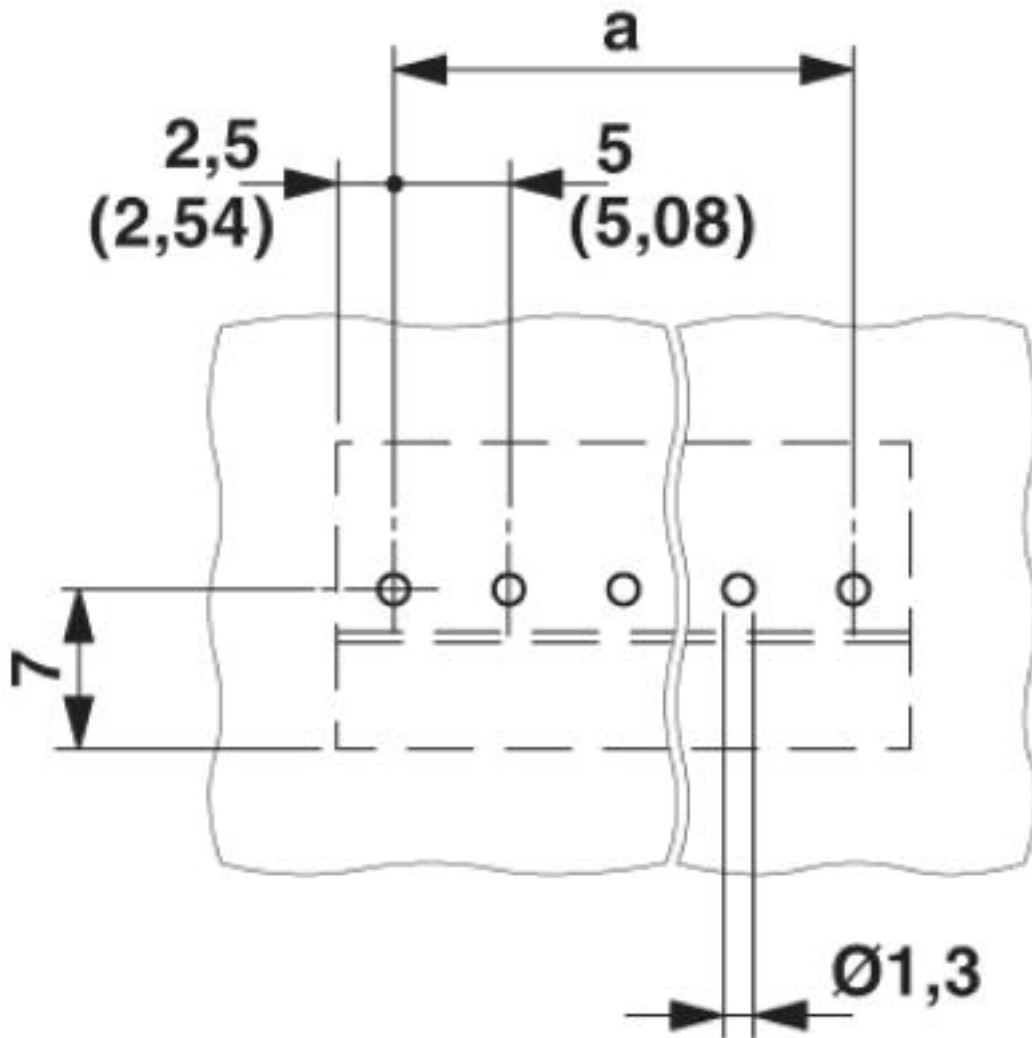
#### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

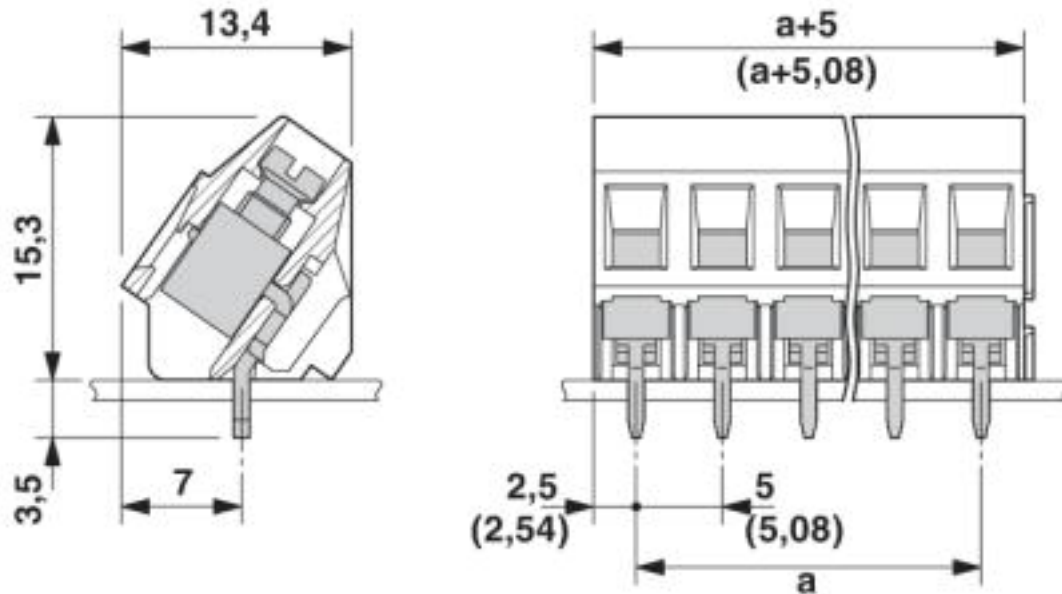
## PCB terminal block - SMKDSP 1,5/ 3 - 1733428

Drilling diagram



## PCB terminal block - SMKDSP 1,5/ 3 - 1733428

Dimensional drawing



### Classifications

#### eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643
ETIM 6.0	EC002643
ETIM 7.0	EC002643

#### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432

## PCB terminal block - SMKDSP 1,5/ 3 - 1733428

### Classifications

#### UNSPSC

UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

### Approvals


#### Approvals


#### Approvals


CSA / IECCEB Scheme / SEV / EAC / cULus Recognized

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm <sup>2</sup> /AWG/kcmil	28-14	28-14	


IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	CH-8225
Nominal voltage UN	250 V		
Nominal current IN	22 A		
mm <sup>2</sup> /AWG/kcmil	2.5		


SEV		<a href="https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html</a>	IK-3542-M1
Nominal voltage UN	250 V		

## PCB terminal block - SMKDSP 1,5/ 3 - 1733428

### Approvals

Nominal current I <sub>N</sub>	22 A
mm <sup>2</sup> /AWG/kcmil	2.5

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19870331
	B	D	
Nominal voltage U <sub>N</sub>	250 V	300 V	
Nominal current I <sub>N</sub>	15 A	10 A	
mm <sup>2</sup> /AWG/kcmil	30-14	30-14	

### Accessories

#### Accessories

##### Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: 5 x 3.8 mm

#### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

#### Test plug terminal block

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### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

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Reducing plug - RPS - 0201647



Reducing plug, color: gray

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