

PCB terminal block - SMKDS 5/ 3-9,5 - 1720020

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PCB terminal block, nominal current: 32 A, pitch: 9.52 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!

Your advantages

- ✓ 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 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 017918 024987 |
| GTIN | 4017918024987 |
| Weight per Piece (excluding packing) | 9.670 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|----------------|----------|
| Length [l] | 18.5 mm |
| Pitch | 9.52 mm |
| Dimension a | 19.04 mm |
| Width [w] | 28.56 mm |
| Height | 21.5 mm |
| Height [h] | 26.5 mm |
| Solder pin [P] | 5 mm |

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Technical data

Dimensions

| | |
|---------------|--------|
| Hole diameter | 1.3 mm |
|---------------|--------|

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) | 690 V |
| Rated voltage (III/2) | 1000 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 |
| 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

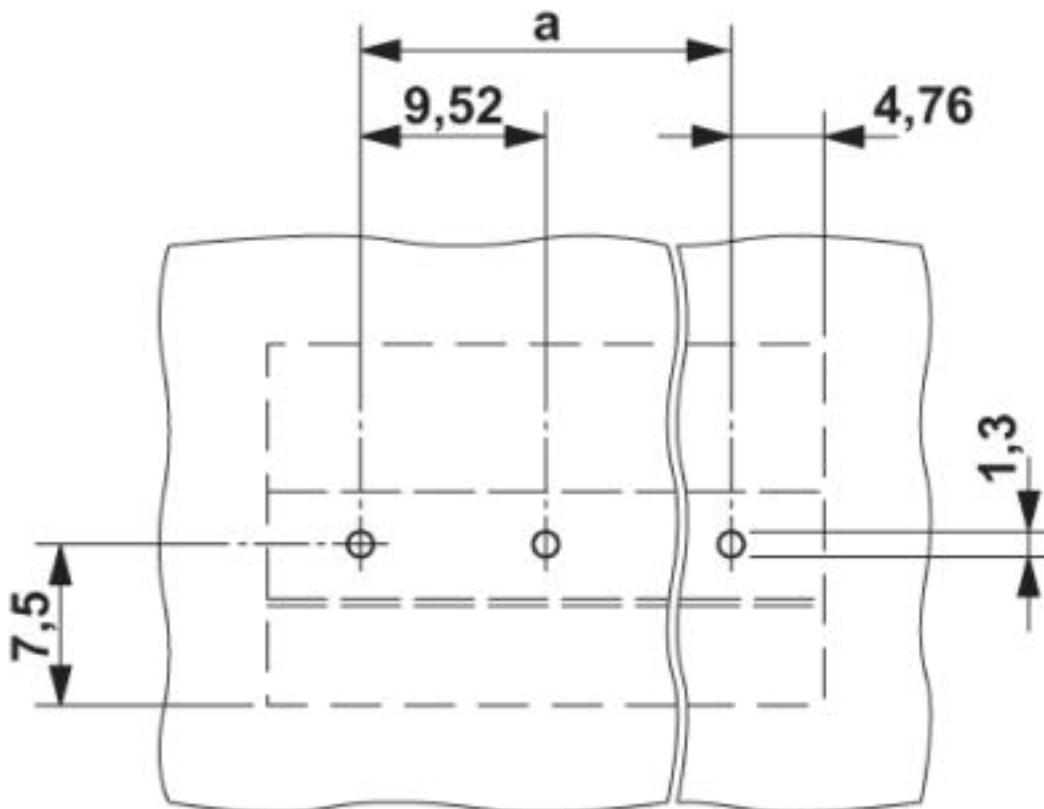
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V2 |

Environmental Product Compliance

| | |
|------------|---|
| | 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

Drilling diagram



<https://www.phoenixcontact.com/gb/products/1720020>



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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 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

Approvals


Approvals

Approvals

CSA / CCA / SEV / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|--------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | B | C | |
| Nominal voltage UN | 300 V | 300 V | |
| Nominal current IN | 30 A | 30 A | |

<https://www.phoenixcontact.com/gb/products/1720020>





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Approvals

| | B | C |
|----------------------------|-------|-------|
| mm ² /AWG/kcmil | 28-10 | 28-10 |

| CCA | | IK-3249 |
|----------------------------|-------|---------|
| Nominal voltage UN | 690 V | |
| mm ² /AWG/kcmil | 6 | |

| SEV |  | https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html | IK-4199 |
|----------------------------|---|---|---------|
| Nominal voltage UN | 690 V | | |
| Nominal current IN | 32 A | | |
| mm ² /AWG/kcmil | 6 | | |

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

| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19870331 |
|----------------------------|---|---|-----------------|
| | B | C | |
| Nominal voltage UN | 250 V | 300 V | |
| Nominal current IN | 30 A | 30 A | |
| mm ² /AWG/kcmil | 30-10 | 30-10 | |

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