

PCB terminal block - SPT 16/ 7-V-10,0-ZB - 1735927

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 7, Connection method: Spring-cage connection, Mounting: Soldering, Color: green

The illustration shows a 5-position version

Product Features

- ✓ Fast connection technology thanks to tool-free direct plug-in principle
- ✓ Conductor connection direction: horizontal (90° -H) to the PCB
- ✓ Unlimited 600 V UL approval thanks to compact zigzag pinning
- ✓ Single-position terminal blocks with double pinning
- ✓ SPT 16 Push-in spring-cage PCB terminal block for conductor cross sections up to 16 mm² and a current carrying capacity of 76 A



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 22.22 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Bulgaria |

Technical data

Dimensions

| | |
|----------------|------------|
| Pitch | 10 mm |
| Dimension a | 60 mm |
| Pin dimensions | 1,2 x 1 mm |
| Pin spacing | 15 mm |
| Hole diameter | 1.7 mm |

General

| | |
|-------------------|-------------|
| Range of articles | SPT 16/..-V |
|-------------------|-------------|

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Technical data

General

| | |
|---|--------------------|
| Insulating material group | I |
| Rated surge voltage (III/3) | 8 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 6 kV |
| Rated voltage (III/3) | 1000 V |
| Rated voltage (III/2) | 1000 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 76 A |
| Nominal cross section | 16 mm ² |
| Maximum load current | 76 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Inflammability class according to UL 94 | V0 |
| Stripping length | 18 mm |
| Number of positions | 7 |

Connection data

| | |
|---|----------------------|
| Conductor cross section solid min. | 0.75 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section stranded min. | 0.75 mm ² |
| Conductor cross section stranded max. | 16 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.75 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.75 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 10 mm ² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil max | 4 |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm ² |
| Minimum AWG according to UL/CUL | 20 |
| Maximum AWG according to UL/CUL | 4 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / SEV / CCA / IECCE CB Scheme / GOST / cULus Recognized


Ex Approvals

Approvals submitted


Approval details

PCB terminal block - SPT 16/ 7-V-10,0-ZB - 1735927

Approvals

UL Recognized 

| | B | C |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 20-4 | 20-4 |
| Nominal current I _N | 66 A | 66 A |
| Nominal voltage U _N | 600 V | 600 V |

cUL Recognized 

| | B | C |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 20-4 | 20-4 |
| Nominal current I _N | 66 A | 66 A |
| Nominal voltage U _N | 600 V | 600 V |


GOST 

SEV

| | |
|--------------------------------|--------|
| mm ² /AWG/kcmil | 16 |
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 V |

CCA

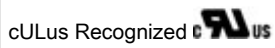
| | |
|--------------------------------|--------|
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 V |

IECEE CB Scheme 

| | |
|--------------------------------|--------|
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 V |

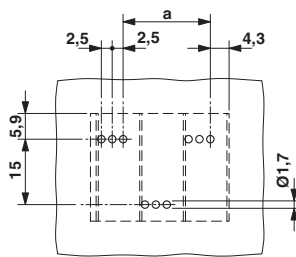
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Approvals

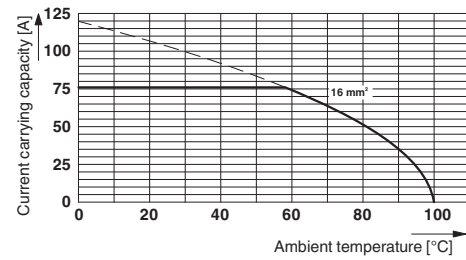


Drawings

Drilling diagram



Diagram



Type: SPT 16/...-V-10,0-ZB
Test based on DIN EN 60512-5-2:2003-01
Reduction factor = 1
Number of positions: 5

Dimensioned drawing

