

Printed-circuit board connector - ZEC 1,5/12-ST-7,5 C2 R1,12 - 1883242

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PCB direct plug, nominal current: 10 A, rated voltage (III/2): 630 V, nominal cross section: 1.5 mm², number of positions: 12, pitch: 7.5 mm, connection method: Spring-cage connection, color: green, contact surface: Tin, mounting: Direct plug-in method




The figure shows an 10-position version

Your advantages

- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Inexpensive direct plug-in connection with just one component
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Plug-in direction parallel to the PCB



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 50 pc |
| GTIN |  4 017918 161217 |
| GTIN | 4017918161217 |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 24.05 mm |
| Width [w] | 98.9 mm |
| Height [h] | 17.5 mm |
| Pitch | 7.5 mm |
| Dimension a | 90 mm |

General

| | |
|-----------------------------|------------------------|
| Range of articles | ZEC 1,5/..-ST |
| Number of positions | 12 |
| Connection method | Spring-cage connection |
| Insulating material group | I |
| Rated surge voltage (III/3) | 6 kV |

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Technical data

General

| | |
|--|---|
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (II/2) | 6 kV |
| Rated voltage (III/3) | 400 V |
| Rated voltage (III/2) | 630 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I _N | 10 A |
| Nominal cross section | 1.5 mm ² |
| Maximum load current | 10 A (with 1.5 mm ² conductor cross section) |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 7 mm |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section flexible min. | 0.2 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. | 24 |
| Conductor cross section AWG max. | 16 |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 0.5 mm ² |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 0.5 mm ² |
| Minimum AWG according to UL/CUL | 26 |
| Maximum AWG according to UL/CUL | 14 |

Standards and Regulations

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

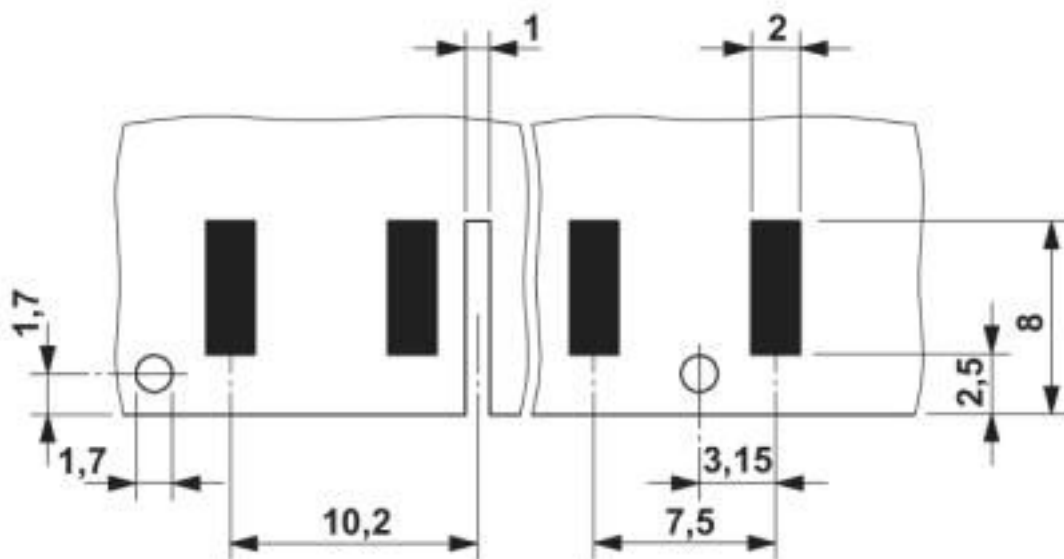
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

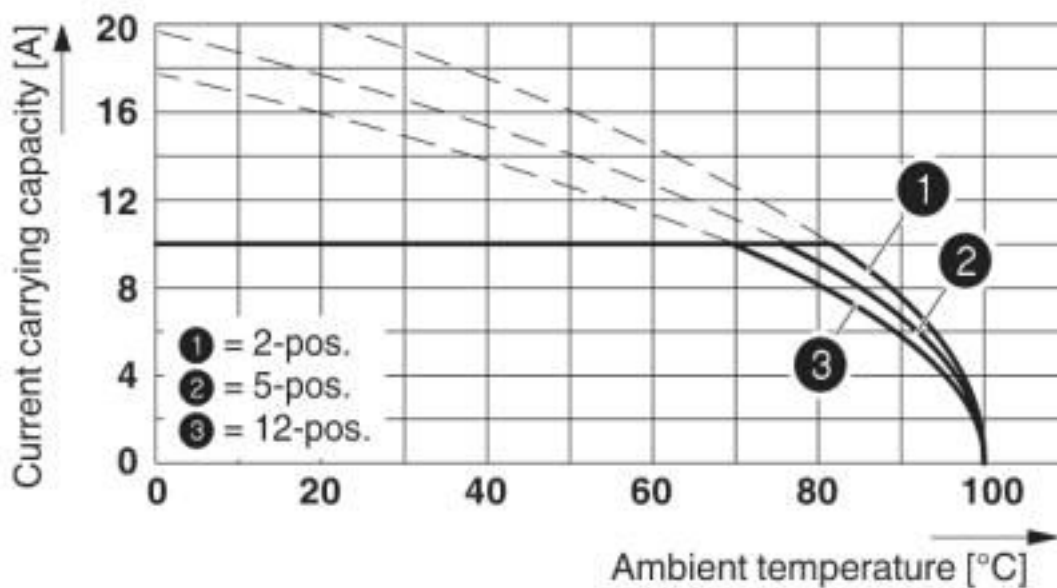
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Drilling diagram



Size of the PCB: 1.6 ± 0.2 mm

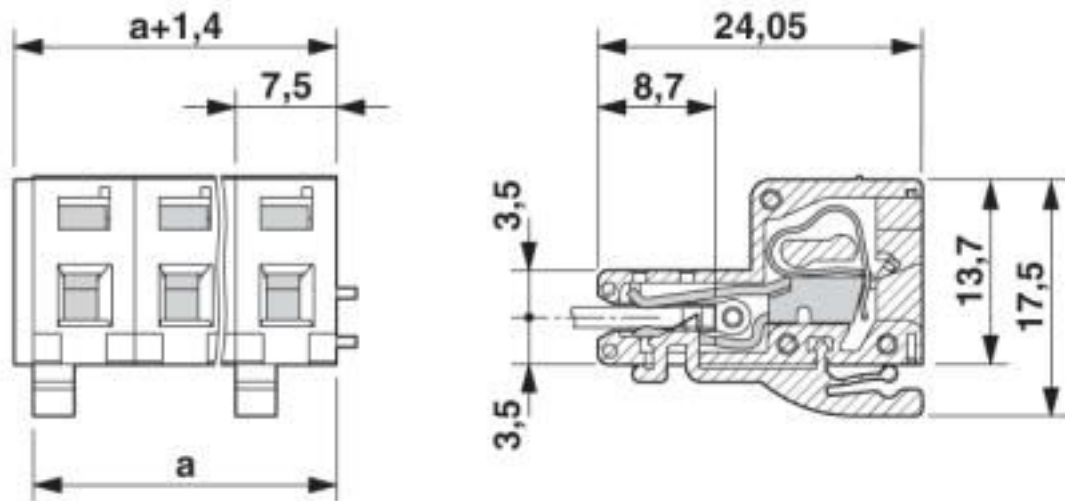
Diagram



Type: ZEC 1,5/...-ST-7,5
 Derating curve, determined as per DIN EN 61984 (VDE 0627):2002-09
 Representation based on DIN EN 60512-5-2:2003-01
 Connected conductor cross section = 1.5 mm²
 Reduction factor = 0.8
 Number of positions = see diagram

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Dimensional drawing



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440309 |
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440309 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | EC002638 |
| ETIM 7.0 | EC002638 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11 | 39121409 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121409 |
| UNSPSC 18.0 | 39121409 |
| UNSPSC 19.0 | 39121409 |

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 20.0 | 39121409 |
| UNSPSC 21.0 | 39121409 |

Approvals

Approvals


Approvals


CCA / IEC EE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized


Ex Approvals

Approval details

| | |
|--------------------|-----------|
| CCA | DE1 34215 |
| Nominal voltage UN | 1000 V |
| Nominal current IN | 10 A |

| | | | |
|--------------------|---|---|-----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-51128 |
| Nominal voltage UN | 1000 V | | |
| Nominal current IN | 10 A | | |

| | | | |
|---|---|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40020343 |
| Nominal voltage UN | 400 V | | |
| Nominal current IN | 10 A | | |
| mm ² /AWG/kcmil | 0.2-1.5 | | |

| | | |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

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Approvals

| | | |
|----------------------------|-------|---|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19941110 |
| | B | D |
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm ² /AWG/kcmil | 26-14 | 26-14 |

Accessories

Accessories

Labeled terminal marker

Marker card - SK 7,5/3,8:FORTL.ZAHLEN - 0804455

Marker card, Card, white, labeled, horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: adhesive, for terminal block width: 7.5 mm, lettering field size: 7.5 x 3.8 mm



Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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[PVP02-5,00](#) [PVP03-3,50](#) [PVP04-3,50](#) [PVS02-5,00](#) [1-1986160-3](#) [1377680000](#) [1531000000](#) [1546228-5](#) [ELFH16150](#) [ELFP03110](#)
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