

## Printed-circuit board connector - PCC 4/ 8-ST-7,62 - 1840133

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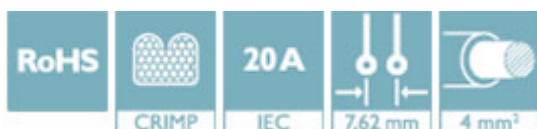


The figure shows an 10-position version

PCB connector, nominal current: 20 A, rated voltage (III/2): 1000 V, nominal cross section: 4 mm<sup>2</sup>, number of positions: 8, pitch: 7.62 mm, connection method: Crimp connection, color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 13,5A/STG-MTN 0,5-1,0 (3190438); 13,5A/STG-MTN 0,5-1,0 BA (3190629); 20A/STG-MTN 1,5-2,5 (3190506); 20A/STG-MTN 1,5-2,5 BA (3190632). BA = Taped contacts

### Your advantages

- ✓ Inexpensive connection of large quantities of pre-assembled conductors
- ✓ Small component size for applications where space is at a premium



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                                   |
| GTIN         | <br>4 017918 102210 |
| GTIN         | 4017918102210                                                                                           |

### Technical data

#### Item properties

|                           |                                 |
|---------------------------|---------------------------------|
| Brief article description | Printed-circuit board connector |
| Plug-in system            | POWER COMBICON 4                |
| Type of contact           | Female connector                |
| Range of articles         | PCC 4/...-ST                    |
| Pitch                     | 7.62 mm                         |
| Number of positions       | 8                               |
| Connection method         | Crimp connection                |
| Locking                   | without                         |
| Number of levels          | 1                               |
| Number of connections     | 8                               |
| Number of potentials      | 8                               |

#### Electrical parameters

# Printed-circuit board connector - PCC 4/ 8-ST-7,62 - 1840133

## Technical data

### Electrical parameters

|                             |        |
|-----------------------------|--------|
| Nominal current             | 20 A   |
| Nom. voltage                | 1000 V |
| Rated voltage               | 400 V  |
| Rated voltage (III/2)       | 1000 V |
| Rated voltage (II/2)        | 1000 V |
| Rated surge voltage (III/3) | 8 kV   |
| Rated surge voltage (III/2) | 8 kV   |
| Rated surge voltage (II/2)  | 8 kV   |

### Connection capacity

|                                     |                     |
|-------------------------------------|---------------------|
| Connection method                   | Crimp connection    |
| pluggable                           | Yes                 |
| Conductor cross section flexible    | 0.5 mm² ... 2.5 mm² |
| Conductor cross section AWG / kcmil | 20 ... 14           |

### Flange specifications

|                 |         |
|-----------------|---------|
| Type of locking | without |
| Mounting flange | without |

### Material data - contact

|                                          |                                                                                   |
|------------------------------------------|-----------------------------------------------------------------------------------|
| Note                                     | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201 |
| Contact material                         | Cu alloy                                                                          |
| Metal surface terminal point (top layer) | Tin (Sn)                                                                          |
| Metal surface contact area (top layer)   | Tin (Sn)                                                                          |

### Material data - housing

|                                                                   |              |
|-------------------------------------------------------------------|--------------|
| Housing color                                                     | green (6021) |
| Insulating material                                               | PA           |
| Insulating material group                                         | I            |
| CTI according to IEC 60112                                        | 600          |
| Flammability rating according to UL 94                            | V0           |
| Glow wire flammability index GWFI according to EN 60695-2-12      | 850          |
| Glow wire ignition temperature GWIT according to EN 60695-2-13    | 775          |
| Temperature for the ball pressure test according to EN 60695-10-2 | 125 °C       |

### Dimensions for the product

|                             |          |
|-----------------------------|----------|
| Length [ l ]                | 28.7 mm  |
| Width [ w ]                 | 60.91 mm |
| Height [ h ]                | 17.2 mm  |
| Pitch                       | 7.62 mm  |
| Height (without solder pin) | 17.2 mm  |

### Packaging information

## Printed-circuit board connector - PCC 4/ 8-ST-7,62 - 1840133

### Technical data

#### Packaging information

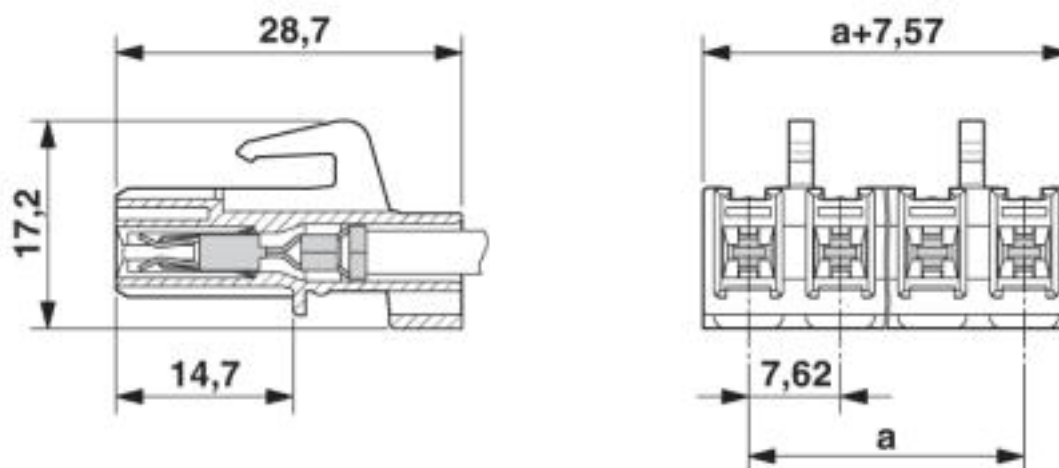
|                            |                     |
|----------------------------|---------------------|
| Type of packaging          | packed in cardboard |
| Pieces per package         | 50                  |
| Denomination packing units | Pcs.                |

#### Environmental Product Compliance

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

### Drawings

Dimensional drawing



### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| 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 | EC002638 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | EC002638 |

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### Classifications

#### ETIM

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

### Approvals

#### Approvals

#### Approvals

CSA / 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                                                                                   | C                                                                                                                                       |       |
| Nominal voltage UN | 300 V                                                                               | 300 V                                                                                                                                   |       |
| Nominal current IN | 10 A                                                                                | 10 A                                                                                                                                    |       |
| mm²/AWG/kcmil      | 20-14                                                                               | 20-14                                                                                                                                   |       |

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

## Printed-circuit board connector - PCC 4/ 8-ST-7,62 - 1840133

### Approvals

| 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> E60425-19920722 |       |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                                                                                                                                                                                          | B     | C     |
| Nominal voltage UN                                                                                                                                                                                                                                                       | 600 V | 600 V |
| Nominal current IN                                                                                                                                                                                                                                                       | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                                                                                                                                                                                                            | 20-14 | 20-14 |

### Accessories

#### Accessories

#### Assembly tool

Contact removal tool - STG-EW - 3190441



Contact removal tool

#### Coding element

Coding profile - CP-PC RD - 1701967



Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red

Coding profile - CP-HCC 4 - 1600027



Coding profile, number of positions: 1, pitch: 0 mm, color: red

### Connector

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### Accessories

Female insert - STG-MTN 0,5-1,0 - 3190438



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 0.5 mm<sup>2</sup> ... 1.0 mm<sup>2</sup> conductors

Female insert - STG-MTN 0,5-1,0 BA - 3190629



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 0.5 mm<sup>2</sup> ... 1.0 mm<sup>2</sup> conductors, ribbon contact

Female insert - STG-MTN 1,5-2,5 - 3190506



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> conductors

Female insert - STG-MTN 1,5-2,5 BAND - 3190632



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> conductors, ribbon contact

### Crimping tool

Crimping pliers - CRIMPFOX MT 2,5 - 1204038



Crimping pliers, for crimping conductors to the module female contacts STG-MTN, crimp range: 0.5-2.5 mm<sup>2</sup>, AWG: 20-14

### Labeled terminal marker

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### Accessories

Marker card - SK 7,62/3,8:FORTL.ZAHLEN - 0804549



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: adhesive, for terminal block width: 7.62 mm, lettering field size: 7.62 x 3.8 mm

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### Strain relief

Strain relief - STZ 2-PCC 4-7,62 - 1840214



Strain relief, for the 3 to 4-position MCC 1/...STZ-3,81 and MCC 1/...STZF-3,81 plugs, for snapping into the latching chambers, can be labeled with ZB 6

Strain relief - STZ 3-PCC 4-7,62 - 1840227

Strain relief, for the 5 to 10-position MCC 1/...STZ-3,81 and MCC 1/...STZF-3,81 plugs, for snapping into the latching chambers, can be labeled with ZB 6

Strain relief - STZ 5-PCC 4-7,62 GN - 1842005

Strain relief, for the 11 to 15-position MCC 1/...STZ-3,81 and MCC 1/...STZF-3,81 plugs, for snapping into the latching chambers, can be labeled with ZB 6

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### Additional products

Feed-through header - PCV 4/ 8-G-7,62 - 1804742



PCB headers, nominal current: 20 A, rated voltage (III/2): 630 V, nominal cross section: 4 mm<sup>2</sup>, number of positions: 8, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 5 mm, Mounting flange: Accessory Order No. 1827570

Printed-circuit board connector - PC 4/ 8-G-7,62 - 1804852



PCB headers, nominal current: 20 A, rated voltage (III/2): 630 V, nominal cross section: 4 mm<sup>2</sup>, number of positions: 8, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 5 mm, Mounting flange: Accessory Order No. 1827570

## Printed-circuit board connector - PCC 4/ 8-ST-7,62 - 1840133

### Accessories

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