

PCC 4/ 5-ST-7,62 - PCB connector



1840162

<https://www.phoenixcontact.com/sk/products/1840162>

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PCB connector, nominal cross section: 4 mm², color: green, nominal current: 20 A, rated voltage (III/2): 1000 V, contact connection type: Socket, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: PCC 4/..-ST, pitch: 7.62 mm, connection method: Crimp connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON PC 4, locking: without, mounting: without, type of packaging: packed in cardboard, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] 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 preassembled conductors
- Small component size for applications where space is at a premium

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1840162 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Note | Made to order (non-returnable) |
| Sales key | AAD |
| Product key | AADCAA |
| Catalog page | Page 514 (C-1-2013) |
| GTIN | 4017918102241 |
| Weight per piece (including packing) | 5.55 g |
| Weight per piece (excluding packing) | 4.733 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-----------------------|-----------------------|
| Product type | PCB connector |
| Product family | PCC 4/..-ST |
| Product line | COMBICON Connectors L |
| Type | Standard |
| Number of positions | 5 |
| Pitch | 7.62 mm |
| Number of connections | 5 |
| Number of rows | 1 |
| Number of potentials | 5 |
| Mounting flange | without |

Data management status

| | |
|------------------|----|
| Article revision | 01 |
|------------------|----|

Electrical properties

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

Connection data

Connection technology

| | |
|-------------------------|-------------------|
| Type | Standard |
| Connector system | COMBICON PC 4 |
| Nominal cross section | 4 mm ² |
| Contact connection type | Socket |

Interlock

| | |
|-----------------|---------|
| Locking type | without |
| Mounting flange | without |

Conductor connection

| | |
|------------------------------------|---|
| Connection method | Crimp connection |
| Conductor/PCB connection direction | 0 ° |
| Conductor cross section flexible | 0.5 mm ² ... 2.5 mm ² |
| Conductor cross section AWG | 20 ... 14 |

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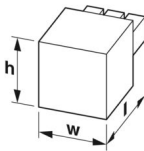
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Material specifications

Material data - housing

| | |
|---|--------------|
| Color (Housing) | 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

| | |
|---------------------|---|
| Dimensional drawing |  |
| Pitch | 7.62 mm |
| Width [w] | 38.05 mm |
| Height [h] | 17.2 mm |
| Length [l] | 28.7 mm |

Notes

| | |
|--------------------|--|
| Notes on operation | In accordance with IEC 61984, COMBICON connectors have no switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load. |
|--------------------|--|

Electrical tests

Air clearances and creepage distances |

| | |
|----------------------------------|--------|
| Insulating material group | I |
| Rated insulation voltage (III/3) | 400 V |
| Rated surge voltage (III/3) | 8 kV |
| Rated insulation voltage (III/2) | 1000 V |
| Rated surge voltage (III/2) | 8 kV |
| Rated insulation voltage (II/2) | 1000 V |
| Rated surge voltage (II/2) | 8 kV |

Packaging specifications

| | |
|-------------------|---------------------|
| Type of packaging | packed in cardboard |
|-------------------|---------------------|

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sk/products/1840162>

|  CSA Approval ID: 13631 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| Use group B | 300 V | 10 A | 20 - 14 | - |
| Use group C | 300 V | 10 A | 20 - 14 | - |

|  cULus Recognized Approval ID: E60425-19920722 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| Use group B | 600 V | 10 A | 20 - 14 | - |
| Use group C | 600 V | 10 A | 20 - 14 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27460202 |
| ECLASS-12.0 | 27460202 |
| ECLASS-13.0 | 27460202 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002638 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

EF3.0 Climate Change

| | |
|---------|---------------|
| CO2e kg | 12.59 kg CO2e |
|---------|---------------|

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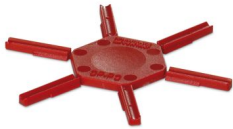
Accessories

CP-PC RD - Coding profile

1701967

<https://www.phoenixcontact.com/sk/products/1701967>

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



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

0804549

<https://www.phoenixcontact.com/sk/products/0804549>

Marker 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, text field height: 3.8 mm, text field width: 7.62 mm



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STG-MTN 0,5-1,0 - Crimp contact

3190438

<https://www.phoenixcontact.com/sk/products/3190438>



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 0.5 mm² ... 1.0 mm² conductors

STG-MTN 0,5-1,0 BA - Crimp contact

3190629

<https://www.phoenixcontact.com/sk/products/3190629>



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 0.5 mm² ... 1.0 mm² conductors, ribbon contact

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STG-MTN 1,5-2,5 - Crimp contact

3190506

<https://www.phoenixcontact.com/sk/products/3190506>



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 1.5 mm² ... 2.5 mm² conductors

STG-MTN 1,5-2,5 BAND - Crimp contact

3190632

<https://www.phoenixcontact.com/sk/products/3190632>



Module socket contact, inserted in the PCC or HCC plug housing after crimping the conductor, for 1.5 mm² ... 2.5 mm² conductors, ribbon contact

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CRIMPFOX MT 2,5 - Crimping pliers

1204038

<https://www.phoenixcontact.com/sk/products/1204038>



Crimping pliers, for crimping conductors to the module female contacts STG-MTN, crimp range: 0.5-2.5 mm², AWG: 20-14

STG-EW - Contact removal tool

3190441

<https://www.phoenixcontact.com/sk/products/3190441>



Contact removal tool

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

1840214

<https://www.phoenixcontact.com/sk/products/1840214>



Strain relief, for the PCC 4/..-ST and 3-pos. ... 4-pos. MCC 1/..-STZ(F) connector, for snapping into the latching chambers, can be labeled with ZB 6

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

1840227

<https://www.phoenixcontact.com/sk/products/1840227>



Strain relief, for the PCC 4/..-ST and 5-pos. ... 10-pos. MCC 1/..-STZ(F) connector, for snapping into the latching chambers, can be labeled with ZB 6

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

1842005

<https://www.phoenixcontact.com/sk/products/1842005>



Strain relief, for the PCC 4/...-ST and 11-pos. ... 15-pos. MCC 1/...-STZ(F) connector, for snapping into the latching chambers, can be labeled with ZB 6

STZ 8-PCC 4-7,62 - Strain relief

1840230

<https://www.phoenixcontact.com/sk/products/1840230>



Strain relief, for the PCC 4/...-ST and 16-pos. ... 20-pos. MCC 1/...-STZ(F) connector, for snapping into the latching chambers, can be labeled with ZB 6

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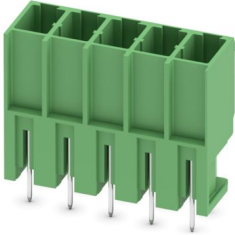
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PCV 4/ 5-G-7,62 - PCB header

1804713

<https://www.phoenixcontact.com/sk/products/1804713>



PCB headers, nominal cross section: 4 mm², color: green, nominal current: 20 A, rated voltage (III/2): 630 V, contact surface: Sn, contact connection type: Pin, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: PCV 4/..-G, pitch: 7.62 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 5 mm, number of solder pins per potential: 2, plug-in system: COMBICON PC 4, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: packed in cardboard, Mounting flange: Accessory Item No. 1827570

PC 4/ 5-G-7,62 - PCB header

1804823

<https://www.phoenixcontact.com/sk/products/1804823>



PCB headers, nominal cross section: 4 mm², color: green, nominal current: 20 A, rated voltage (III/2): 630 V, contact surface: Sn, contact connection type: Pin, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: PC 4/..-G, pitch: 7.62 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 5 mm, number of solder pins per potential: 2, plug-in system: COMBICON PC 4, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: packed in cardboard, Mounting flange: Accessory Item No. 1827570

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