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

1840162

https://www.phoenixcontact.com/pc/products/1840162

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PCB connector, nominal cross section: 4 mm$^2$, 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 method: without, type of packaging: packed in cardboard, Corresponding female crimp contacts with current [A] and conductor cross-section range [mm$^2$] 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) |
| Product key | AADCAA |
| 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 |

# 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 type | without |

### Fitting of components

| | |
|---|---|
| Partial assembly | No |

## Electrical properties

### 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 mm² |
| Contact connection type | Socket |

### Interlock

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

### Conductor connection

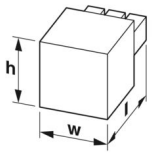
| | |
|---|---|
| Connection method | Crimp connection |
| Conductor/PCB connection direction | 0 ° |
| Conductor cross-section flexible | 0.5 mm² ... 2.5 mm² |
| Conductor cross-section AWG | 20 ... 14 |

## 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. |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Relative humidity (storage/transport) | 30 % ... 70 % |

## 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 |

## Approvals

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

**CSA**
Approval ID: 13631

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| B | | | | |
| | 300 V | 10 A | 20 - 14 | - |
| 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 $mm^2$ |
|---|---|---|---|---|
| B | | | | |
| | 600 V | 10 A | 20 - 14 | - |
| C | | | | |
| | 600 V | 10 A | 20 - 14 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27460202 |
| ECLASS-15.0 | 27460202 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002638 |

### UNSPSC

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

## 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% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.041 kg CO2e |

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