

# PCC 4/ 2-ST-7,62 - PCB connector

1840191

<https://www.phoenixcontact.com/us/products/1840191>



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PCB connector, nominal cross section: 4 mm<sup>2</sup>, color: green, nominal current: 20 A, rated voltage (III/2): 1000 V, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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 [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 preassembled conductors
- Small component size for applications where space is at a premium

## Commercial data

Item number	1840191
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AA04
Product key	AADCAA
Catalog page	Page 514 (C-1-2013)
GTIN	4017918102272
Weight per piece (including packing)	2.304 g
Weight per piece (excluding packing)	1.966 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	2
Pitch	7.62 mm
Number of connections	2
Number of rows	1
Number of potentials	2
Mounting flange	without

### Electrical properties

Nominal current $I_N$	20 A
Nominal voltage $U_N$	1000 V
Degree of pollution	3
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 <sup>2</sup>
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 <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	20 ... 14

### Material specifications

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## 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]	15.24 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.
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## 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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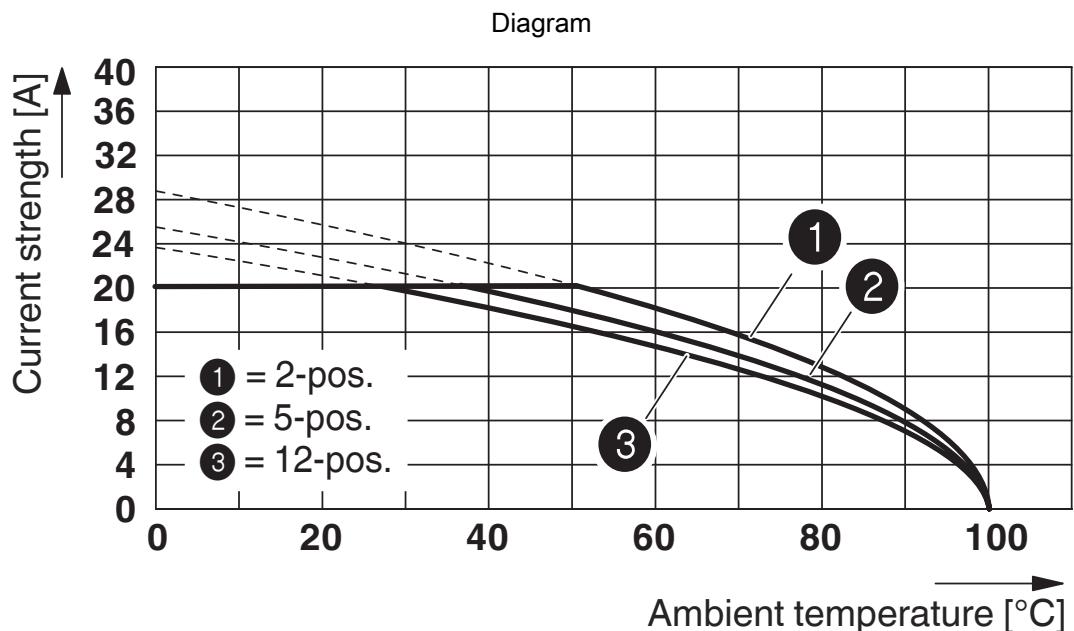
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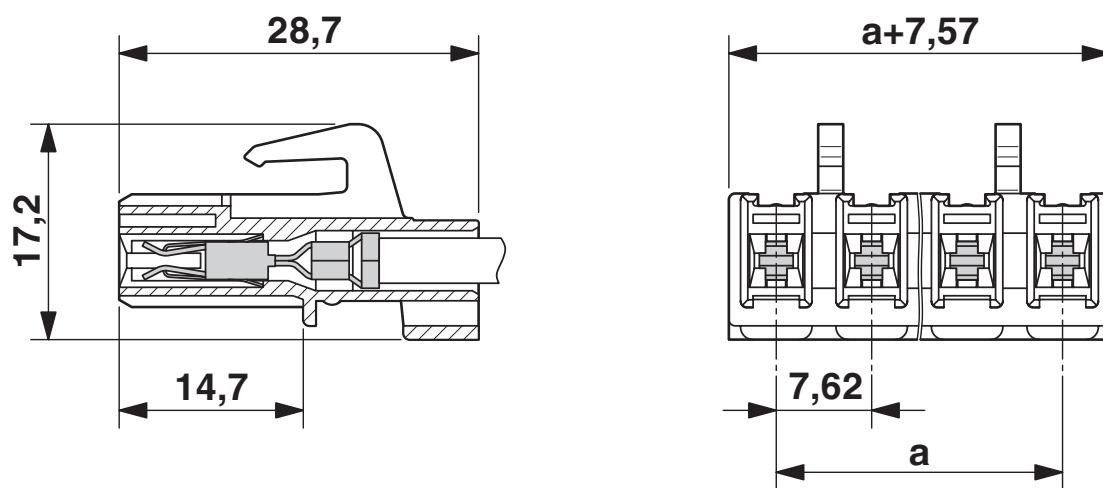


## Drawings



Derating curve for: PCC 4/...-ST-7,62 with PC 4/...-G-7,62

## Dimensional drawing



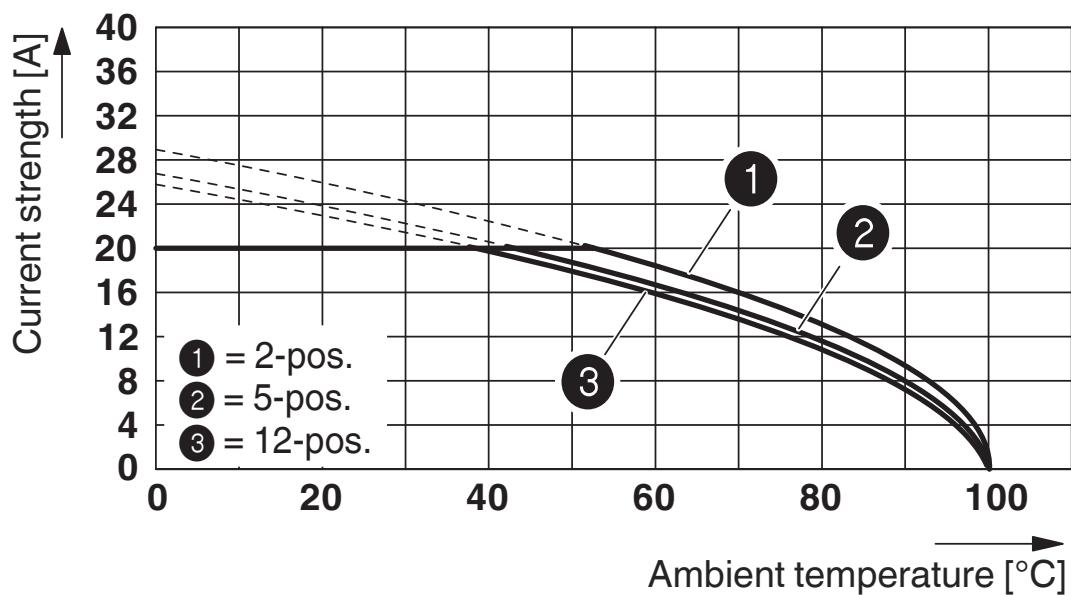
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Diagram



Derating curve for: PCC 4/...-ST-7,62 with PCVK 4-7,62

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1840191>

		CSA		
		Approval ID: 13631		
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
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
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
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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## Accessories

### CP-PC RD - Coding profile

1701967

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

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



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

0804549

<https://www.phoenixcontact.com/us/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, lettering field size: 7.62 x 3.8 mm



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

3190438

<https://www.phoenixcontact.com/us/products/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

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

3190629

<https://www.phoenixcontact.com/us/products/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

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

3190506

<https://www.phoenixcontact.com/us/products/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

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

3190632

<https://www.phoenixcontact.com/us/products/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

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## CRIMPFOX MT 2,5 - Crimping pliers

1204038

<https://www.phoenixcontact.com/us/products/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



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## STG-EW - Contact removal tool

3190441

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

Contact removal tool



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

1840214

<https://www.phoenixcontact.com/us/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/us/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/us/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



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

1840230

<https://www.phoenixcontact.com/us/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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## PCV 4/ 2-G-7,62 - PCB header

1804687

<https://www.phoenixcontact.com/us/products/1804687>



PCB headers, nominal cross section: 4 mm<sup>2</sup>, color: green, nominal current: 20 A, rated voltage (III/2): 630 V, contact surface: Tin, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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/ 2-G-7,62 - PCB header

1804797

<https://www.phoenixcontact.com/us/products/1804797>



PCB headers, nominal cross section: 4 mm<sup>2</sup>, color: green, nominal current: 20 A, rated voltage (III/2): 630 V, contact surface: Tin, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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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