

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

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Plug component, Nominal current: 20 A, Rated voltage (III/2): 630 V, Number of positions: 10, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 5-pos. version of the product

Why buy this product

- Plugs can be keyed using CP-PC RD keying profiles
- High-capacity plugs with a current carrying capacity of 20 A
- Vibration-resistant connection by means of screw flange (PC 4/...-STF-7,62)
- Integrated double steel spring as extra safety against contact corrosion
- Screw connection up to 4 mm², stranded



Key commercial data

| | |
|------------------------|---|
| Packing unit | 1 |
| Minimum order quantity | 50 |
| Catalog page | Page 418 (CC-2011) |
| GTIN |  4 017918 046422 |
| Custom tariff number | 85366990 |
| Country of origin | GERMANY |

Technical data

Dimensions / positions

| | |
|------------------------|----------|
| Pitch | 7.62 mm |
| Dimension a | 68.58 mm |
| Number of positions | 10 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

Technical data

| | |
|---------------------------|-------------|
| Range of articles | PC 4/...-ST |
| Insulating material group | I |

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Technical data

Technical data

| | |
|---|-------------------|
| Rated surge voltage (III/3) | 6 kV |
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (II/2) | 6 kV |
| Rated voltage (III/2) | 630 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 20 A |
| Nominal voltage U_N | 400 V |
| Nominal cross section | 4 mm ² |
| Maximum load current | 20 A |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Internal cylindrical gage | A4 |
| Stripping length | 7 mm |
| Nominal voltage, UL/CUL Use Group B | 300 V |
| Nominal current, UL/CUL Use Group B | 20 A |
| Nominal voltage, UL/CUL Use Group C | 300 V |
| Nominal current, UL/CUL Use Group C | 20 A |
| Nominal voltage, UL/CUL Use Group D | 600 V |
| Nominal current, UL/CUL Use Group D | 5 A |

Connection data

| | |
|---|----------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 4 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 4 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 4 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 10 |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 2.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1.5 mm ² |

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Technical data

Connection data

| | |
|---|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm ² |
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 10 |

Classifications

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

UNSPSC

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

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / GOST / BV / RS / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

Approvals

CSA

| | B | C |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 28-10 | 28-10 |
| Nominal current I _N | 20 A | 20 A |
| Nominal voltage U _N | 300 V | 300 V |

UL Recognized

| | B | C | D |
|--------------------------------|-------|-------|-------|
| mm ² /AWG/kcmil | 30-10 | 30-10 | 30-10 |
| Nominal current I _N | 20 A | 20 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V | 600 V |

cUL Recognized

| | B | C | D |
|--------------------------------|-------|-------|-------|
| mm ² /AWG/kcmil | 30-10 | 30-10 | 30-10 |
| Nominal current I _N | 20 A | 20 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V | 600 V |

GOST

BV

RS

cULus Recognized

Accessories

Accessories

Marking

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

Accessories

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



Marker cards, 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

Plug/Adapter

Coding profile - CP-HCC 4 - 1600027



Coding profile, Color: red

Tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Cable housing - KGG-PC 4/ 3 - 1837227



Cable housing, Pitch: 0 mm, Number of positions: 3, Dimension a: 24.66 mm, Color: green

Cable housing - KGG-PC 4/ 3-F - 1837324



Cable housing, Pitch: 0 mm, Number of positions: 3, Dimension a: 24.66 mm, Color: green

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Accessories

Cable housing - KGS-PC 4/ 6 - 1837256



Cable housing, Pitch: 0 mm, Number of positions: 6, Dimension a: 47.52 mm, Color: green

Cable housing - KGS-PC 4/ 6-F - 1837353



Cable housing, Pitch: 0 mm, Number of positions: 6, Dimension a: 47.52 mm, Color: green

Additional products

Plug - PCVK 4-7,62-PE - 1876246



Plug component, Nominal current: 20 A, Rated voltage (III/2): 630 V, Number of positions: 1, Pitch: 7.62 mm, Connection method: Screw connection, Color: Green-yellow

Feed-through terminal block - UPCV3K 4-G-7,62 - 1838381



Header, Nominal current: 20 A, Rated voltage (III/2): 1000 V, Number of positions: 1, Pitch: 7.62 mm, The article can be aligned to create different nos. of positions! Mounting flange: Accessory Order No. 1881202

Plug-in block - PCVK 4-7,62 - 1849998

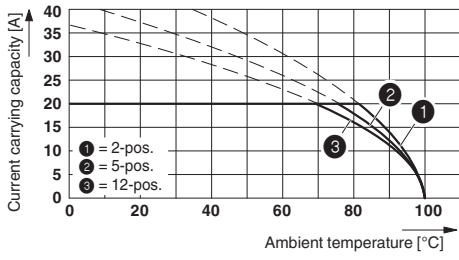


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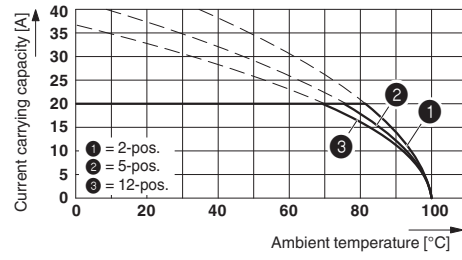
Drawings

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

Diagram



Diagram



Derating curve for: PC 4/10-ST-7,62 with PC 4/10-G-7,62

Derating curve for: PC 4/10-ST-7,62 with PCV 4/10-G-7,62

Dimensioned drawing

