

PC 4 HV/ 3-ST-7,62

Order No.: 1848902

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

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1848902>

Plug component, Nominal current: 20 A, Nom. voltage: 800 V, Pitch:
7.62 mm, Number of positions: 3, Connection type: Screw connection,
Color: green

Commercial data

| | |
|--------------------------|--------------------|
| EAN | 4017918121532 |
| Pack | 50 pcs. |
| Customs tariff | 85366990 |
| Weight/Piece | 0.01411 KG |
| Catalog page information | Page 368 (CC-2009) |

Product notes

WEEE/RoHS-compliant since:
09/08/2005



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Dimensions / positions

| | |
|---------------------|----------|
| Height | 19.7 mm |
| Pitch | 7.62 mm |
| Dimension a | 15.24 mm |
| Number of positions | 3 |

| | |
|------------------------|--------|
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

Technical data

| | |
|------------------------------------|-------------------|
| Insulating material group | I |
| Rated surge voltage (III/3) | 8 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 6 kV |
| Rated voltage (III/2) | 1000 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 20 A |
| Nominal voltage U_N | 800 V |
| Nominal cross section | 4 mm ² |
| Maximum load current | 20 A |
| Insulating material | PA |
| Inflammability class acc. to UL 94 | V0 |
| Internal cylindrical gage | A4 |
| Stripping length | 10 mm |

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 |
| 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 |

Certificates / Approvals



Certification

CSA, CUL, GOST, UL

CSA

| | |
|-----------------------|-------|
| Nominal voltage U_N | 600 V |
| Nominal current I_N | 20 A |
| AWG/kcmil | 28-10 |

CUL

| | |
|-----------------------|-------|
| Nominal voltage U_N | 600 V |
| Nominal current I_N | 20 A |
| AWG/kcmil | 30-10 |

UL

| | |
|-----------------------|-------|
| Nominal voltage U_N | 600 V |
| Nominal current I_N | 20 A |
| AWG/kcmil | 30-10 |

Accessories

| Item | Designation | Description |
|----------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Marking | | |
| 1051993 | B-STIFT | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm |
| 0804549 | SK 7,62/3,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked 1-10, 11-20 etc. up to 91-99, sufficient for 120 terminal blocks |
| 0805153 | SK 7,62/3,8:SO | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 12 identical marker strips per card, max. 25-position labeling per strip, color: white |
| 0803906 | SK U/3,8 WH:UNBEDRUCKT | Unprinted marker cards, DIN A4 format, pitch as desired, self-adhesive, with 40 stamped marker strips, 185 mm strip length, can be labeled with the CMS system or manually with the M-PEN |

Plug/Adapter

| | | |
|---------|----------|----------------------------|
| 1600027 | CP-HCC 4 | Coding profile, Color: red |
|---------|----------|----------------------------|

Tools

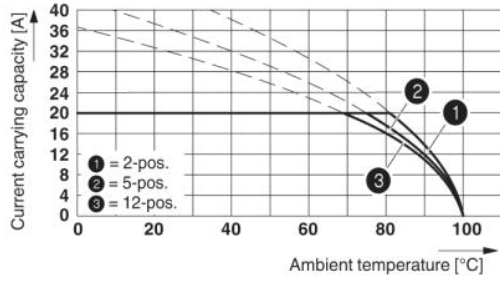
| | | |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1205053 | SZS 0,6X3,5 | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm ² connection cross section, blade: 0.6 x 3.5 mm, without VDE approval |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

Additional products

| Item | Designation | Description |
|----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General | | |
| 1849998 | PCVK 4-7,62 | Plug component, Nominal current: 20 A, Nom. voltage: 500 V, Pitch: 7.62 mm, Number of positions: 1, Width: 7.62 mm, Connection type: Screw connection, Color: green |
| 1876246 | PCVK 4-7,62-PE | Plug component, Nom. voltage: 500 V, Pitch: 7.62 mm, Number of positions: 1, Width: 7.62 mm, Connection type: Screw connection, Color: green-yellow |
| 1838381 | UPCV3K 4-G-7,62 | Header, Nominal current: 20 A, Nom. voltage: 800 V, Pitch: 7.62 mm, Number of positions: 1, Width: 7.62 mm, Connection type: Screw connection, Color: gray |

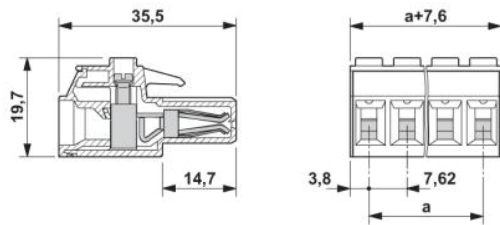
Diagrams/Drawings

Diagram



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

Dimensioned drawing



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