# Printed-circuit board connector - PCU 6/ 3-STD-10,16 - 1922640

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

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

Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver, Mounting: Direct mounting

## Product Features

- Laterally mounted flange for screw connection in the housing/on the mounting plate
- Easy-maintenance PCB connection (PC 6-16 G1) or inverted IPC 16 plug
- Unlimited 600 V UL approval
- Plug-in block for direct mounting with a current carrying capacity of 41 A and a connection capacity of 6 mm², stranded/10 mm², solid

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 29.94 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

## Technical data

### Dimensions

| | |
|---|---|
| Height | 33.9 mm |
| Pitch | 10.16 mm |
| Dimension a | 20.32 mm |

### General

| | |
|---|---|
| Range of articles | PCU 6/..-STD |
| Insulating material group | I |
| Rated surge voltage (III/3) | 8 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 8 kV |

# Printed-circuit board connector - PCU 6/ 3-STD-10,16 - 1922640

## Technical data

### General

| | |
|---|---|
| Rated voltage (III/3) | 1000 V |
| Rated voltage (III/2) | 1000 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 41 A |
| Nominal cross section | 6 mm² |
| Maximum load current | 41 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A5 |
| Stripping length | 12 mm |
| Number of positions | 3 |
| Screw thread | M4 |
| Tightening torque, min | 1.2 Nm |
| Tightening torque max | 1.5 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.5 mm² |
| Conductor cross section solid max. | 10 mm² |
| Conductor cross section flexible min. | 0.5 mm² |
| Conductor cross section flexible max. | 6 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 6 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 6 mm² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 7 |
| 2 conductors with same cross section, solid min. | 0.5 mm² |
| 2 conductors with same cross section, solid max. | 6 mm² |
| 2 conductors with same cross section, stranded min. | 0.5 mm² |
| 2 conductors with same cross section, stranded max. | 6 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 2.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm² |

# Printed-circuit board connector - PCU 6/ 3-STD-10,16 - 1922640

## Technical data

### Connection data

| | |
|---|---|
| Minimum AWG according to UL/CUL | 20 |
| Maximum AWG according to UL/CUL | 8 |

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

## Classifications

### 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 |
| eCl@ss 8.0 | 27440309 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002638 |

### UNSPSC

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

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

# Printed-circuit board connector - PCU 6/ 3-STD-10,16 - 1922640

## Approvals

Ex Approvals

Approvals submitted

### Approval details

UL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 20-8 | 20-8 |
| Nominal current IN | 50 A | 50 A |
| Nominal voltage UN | 600 V | 600 V |

cUL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 20-8 | 20-8 |
| Nominal current IN | 50 A | 50 A |
| Nominal voltage UN | 600 V | 600 V |

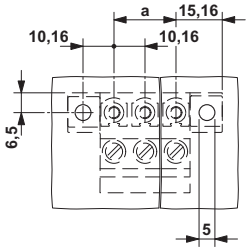
EAC

cULus Recognized

## Drawings

# Printed-circuit board connector - PCU 6/ 3-STD-10,16 - 1922640

Drilling diagram




Dimensional drawing