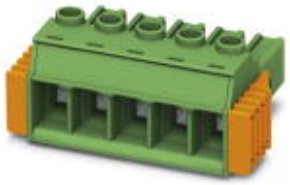
# Printed-circuit board connector - PC 5/ 8-STCL1-7,62 - 1778120

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

## Product Features

- Unlimited 600 V UL approval
- Automatic, tool-free snap-lock mechanism using the Click and Lock system (-STCL); high level of safety even in the event of vibrations
- Maximum contact reliability due to integrated double steel spring
- CP-PC coding profile as protection against mismatching
- High-capacity plugs with a current carrying capacity of 41 A and a connection capacity of 6 mm², stranded/10 mm², solid

## Key commercial data

| | |
|---|---|
| **package_quantity** | 50 |
| **GTIN** | 4046356523257 |

## Technical data

### Dimensions

| | |
|---|---|
| **Length** | 35.5 mm |
| **Height** | 19.7 mm |
| **Pitch** | 7.62 mm |
| **Dimension a** | 53.34 mm |

### General

| | |
|---|---|
| **Range of articles** | PC 5/..-STCL1 |
| **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/3)** | 1000 V |
| **Rated voltage (III/2)** | 1000 V |
| **Rated voltage (II/2)** | 1000 V |
| **Nominal current $I_N$** | 41 A |
| **Nominal cross section** | 6 mm² |
| **Maximum load current** | 41 A |
| **Insulating material** | PA |

# Printed-circuit board connector - PC 5/ 8-STCL1-7,62 - 1778120

## Technical data

### General

| | |
|---|---|
| **Inflammability class according to UL 94** | V0 |
| **Internal cylindrical gage** | A4 |
| **Stripping length** | 10 mm |
| **Number of positions** | 8 |
| **Screw thread** | M3 |
| **Tightening torque, min** | 0.5 Nm |
| **Tightening torque max** | 0.8 Nm |

### Connection data

| | |
|---|---|
| **Conductor cross section solid min.** | 0.2 mm² |
| **Conductor cross section solid max.** | 10 mm² |
| **Conductor cross section stranded min.** | 0.2 mm² |
| **Conductor cross section stranded max.** | 6 mm² |
| **Conductor cross section stranded, with ferrule without plastic sleeve min.** | 0.25 mm² |
| **Conductor cross section stranded, with ferrule without plastic sleeve max.** | 6 mm² |
| **Conductor cross section stranded, with ferrule with plastic sleeve min.** | 0.25 mm² |
| **Conductor cross section stranded, with ferrule with plastic sleeve max.** | 4 mm² |
| **Conductor cross section AWG/kcmil min.** | 24 |
| **Conductor cross section AWG/kcmil max** | 10 |
| **2 conductors with same cross section, solid min.** | 0.2 mm² |
| **2 conductors with same cross section, solid max.** | 2.5 mm² |
| **2 conductors with same cross section, stranded min.** | 0.2 mm² |
| **2 conductors with same cross section, stranded max.** | 4 mm² |
| **2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.** | 0.25 mm² |
| **2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.** | 1.5 mm² |
| **2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.** | 0.25 mm² |
| **2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.** | 2.5 mm² |
| **Minimum AWG according to UL/CUL** | 24 |
| **Maximum AWG according to UL/CUL** | 8 |

## classifications

### eCl@ss

| | |
|---|---|
| **eCl@ss 4.0** | 27141109 |
| **eCl@ss 4.1** | 27141109 |
| **eCl@ss 5.0** | 27141190 |
| **eCl@ss 5.1** | 27141190 |

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## classifications

### eCl@ss

| | |
|---|---|
| **eCl@ss 6.0** | 27261101 |
| **eCl@ss 7.0** | 27440402 |
| **eCl@ss 8.0** | 27440402 |

### ETIM

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

### UNSPSC

| | |
|---|---|
| **UNSPSC 6.01** | 30211801 |
| **UNSPSC 7.0901** | 39121432 |
| **UNSPSC 11** | 39121432 |
| **UNSPSC 12.01** | 39121432 |
| **UNSPSC 13.2** | 39121432 |

## approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized /

### Approval details

**UL Recognized**

| **Usegroups** | **B** | **C** |
|---|---|---|
| Nominal voltage UN | 600 V | 600 V |
| Nominal current IN | 41 A | 41 A |
| mm²/AWG/kcmil | 24-8 | 24-8 |

**cUL Recognized**

| **Usegroups** | **B** | **C** |
|---|---|---|
| Nominal voltage UN | 600 V | 600 V |
| Nominal current IN | 41 A | 41 A |
| mm²/AWG/kcmil | 24-8 | 24-8 |

**GOST**

# Printed-circuit board connector - PC 5/ 8-STCL1-7,62 - 1778120

## approvals

cULus Recognized

## accessories

**Screwdriver tools**

SZK PH1 VDE - 1205150



SZS 0,6X3,5 - 1205053



**Coding element**

CP-PC RD - 1701967



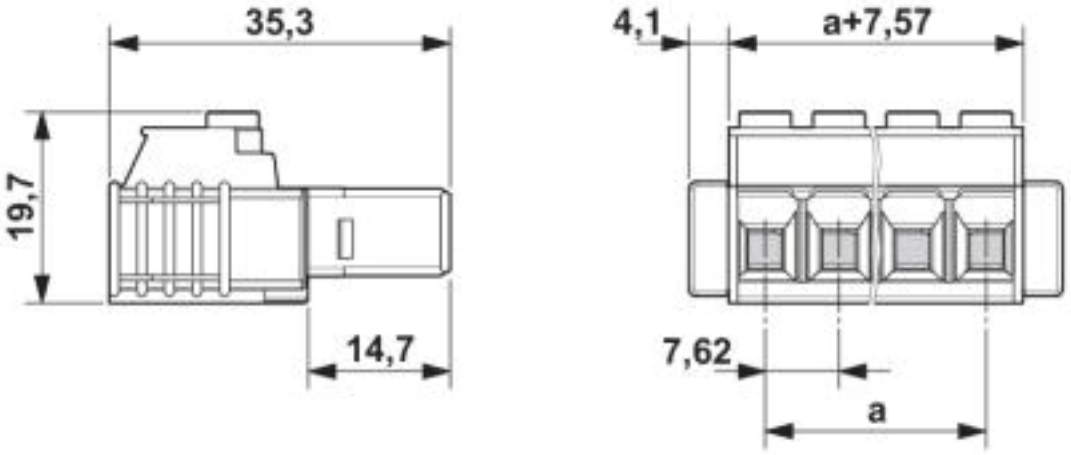
## Drawings

Diagram

Type: PC 5/...-STCL1-7,62 with IPC 5/...-STGCL-7,62

# Printed-circuit board connector - PC 5/ 8-STCL1-7,62 - 1778120

Dimensioned drawing




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