

# Printed-circuit board connector - SPC 5/ 5-STCL-7,62 - 1718517

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PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 5, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

## Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- ✓ Optimized for tight installation situations: operation and conductor connection from one direction
- ✓ The automatically locking Click and Lock system prevents accidental disconnection
- ✓ 600 V UL approval in the smallest of dimensions



## Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 175180
GTIN	4046356175180

## Technical data

### Dimensions

Length [ l ]	38.45 mm
Width [ w ]	46.1 mm
Height [ h ]	19.8 mm
Pitch	7.62 mm
Dimension a	30.48 mm

### General

Range of articles	SPC 5/...-STCL
Type of contact	Female connector
Number of positions	5

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## Technical data

### General

Connection method	Push-in spring connection
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
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	41 A
Nominal cross section	6 mm <sup>2</sup>
Maximum load current	41 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	15 mm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	8
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	24
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

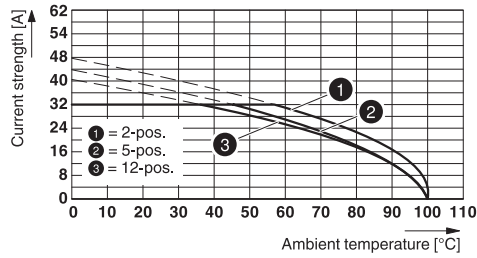
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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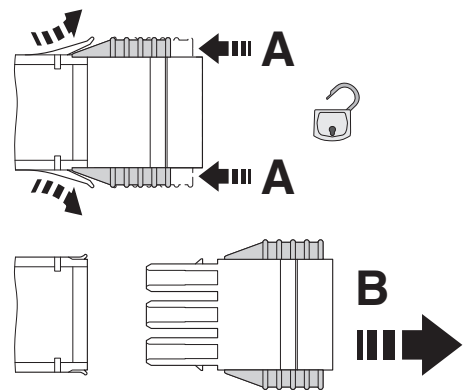
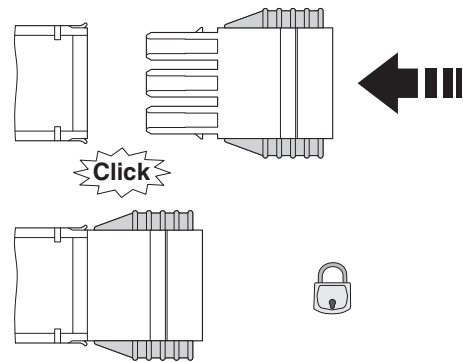
## Drawings

Diagram



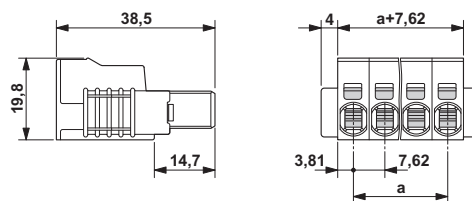
Derating curve for: SPC 5/...-ST-7,62 with PC 5/...-G-7,62

Schematic diagram



Click and Lock system method of operation

Dimensional drawing



## Approvals

### Approvals

Approvals

EAC / cULus Recognized


# Printed-circuit board connector - SPC 5/ 5-STCL-7,62 - 1718517

## Approvals

Ex Approvals

### Approval details

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19920722
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	35 A	35 A	
mm <sup>2</sup> /AWG/kcmil	24-8	24-8	

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