

## Printed-circuit board connector - IPC 5/ 2-ST-7,62 - 1709047

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, 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

- ✓ Can be plugged into PC 5 plugs or inverted IPC 5 headers
- ✓ Unlimited 600 V UL approval
- ✓ Inverted IPC 5 plugs with pin contacts for touch-proof device outputs (with IPC 5 G) or free-hanging cable/cable connections
- ✓ STGF plugs with threaded flange



### Key commercial data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 046356 075589
Weight per Piece (excluding packing)	8.68 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Dimensions

Pitch	7.62 mm
Dimension a	7.62 mm

#### General

Range of articles	IPC 5/...-ST
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

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## Technical data

### General

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
Inflammability class according to UL 94	V0
Stripping length	10 mm
Number of positions	2
Screw thread	M3
Tightening torque, min	0.7 Nm
Tightening torque max	0.8 Nm

### 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 stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
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 <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
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.	2.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	8

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### 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	EC002638
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

##### Ex Approvals

##### Approvals submitted


#### Approval details

UL Recognized 		
	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current I <sub>N</sub>	41 A	41 A

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## Approvals

	B	C
Nominal voltage UN	600 V	600 V

cUL Recognized 		
	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current IN	41 A	41 A
Nominal voltage UN	600 V	600 V

EAC
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cULus Recognized  US		
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## Accessories

### Accessories

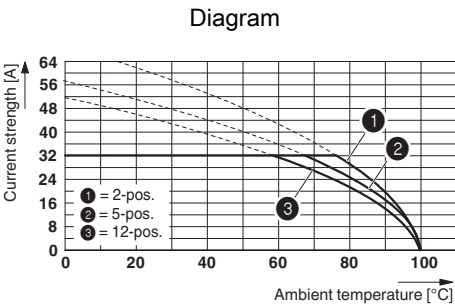
#### Screwdriver tools

Philips screwdriver - SZK PZ1 VDE - 1206450

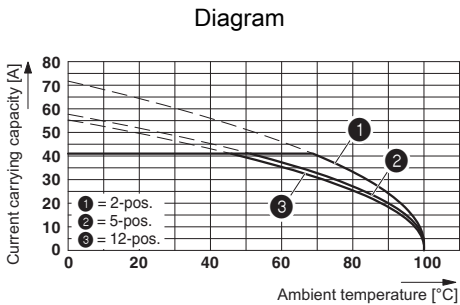


Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip

## Drawings



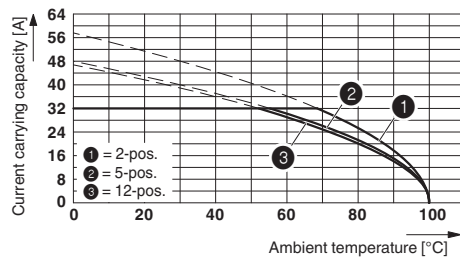
Derating curve for: IPC 5/...-ST-7,62 with PC 5/...-ST1-7,62  
Conductor cross section: 6 mm²



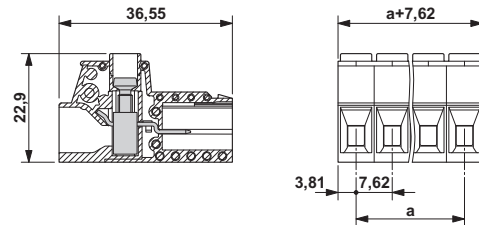
Derating curve for: IPC 5/...-ST-7,62 with IPC 5/...-G-7,62  
Conductor cross section = 10 mm²

## Printed-circuit board connector - IPC 5/ 2-ST-7,62 - 1709047

Diagram



Dimensioned drawing



Derating curve for: IPC 5/...-ST-7,62 with IPC 5/...-G-7,62  
Conductor cross section 6 mm<sup>2</sup>