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## Printed-circuit board connector - IPC 5/ 6-STGF-7,62 - 1709306

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



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

### Product Features

- ✓ 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	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	28.07 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Pitch	7.62 mm
Dimension a	38.1 mm

#### General

Range of articles	IPC 5/...-STGF
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

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### 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 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	6
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

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## Printed-circuit board connector - IPC 5/ 6-STGF-7,62 - 1709306

### Technical data

#### Connection data

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 / GOST / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

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## Printed-circuit board connector - IPC 5/ 6-STGF-7,62 - 1709306

### Approvals

#### Approval details

UL Recognized		
	B	C
mm <sup>2</sup> /AWG/kcmil	24-8	24-8
Nominal current I <sub>N</sub>	41 A	41 A
Nominal voltage U <sub>N</sub>	600 V	600 V

cUL Recognized		
	B	C
mm <sup>2</sup> /AWG/kcmil	24-8	24-8
Nominal current I <sub>N</sub>	41 A	41 A
Nominal voltage U <sub>N</sub>	600 V	600 V

GOST		
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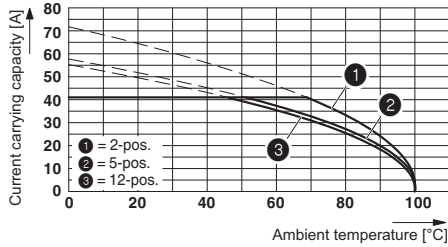
GOST		
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cULus Recognized		
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### Drawings

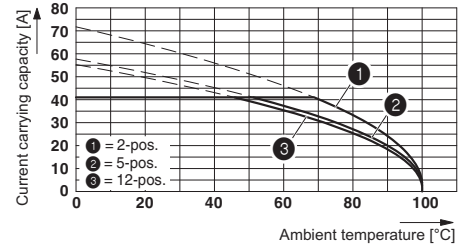
## Printed-circuit board connector - IPC 5/ 6-STGF-7,62 - 1709306

Diagram



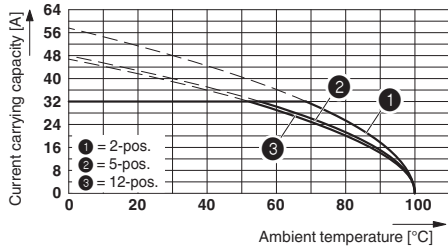
Derating curve for: IPC 5/...-ST-7,62 with PC 5/...-ST-7,62  
 Conductor cross section = 10 mm<sup>2</sup>

Diagram



Derating curve for: IPC 5/...-ST-7,62 with IPC 5/...-G-7,62  
 Conductor cross section = 10 mm<sup>2</sup>

Diagram



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

Dimensioned drawing

