


## IPC 5/ 6-ST-7,62

Order No.: 1709089

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

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1709089>

Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V,  
Number of positions: 6, Pitch: 7.62 mm, Color: green, Metal surface:  
Sn

Commercial data	
GTIN (EAN)	 4 046356 075626
Note	Made-to-order
sales group	E522
Pack	50 pcs.
Customs tariff	85366990
Catalog page information	Page 380 (CC-2009)

**Product notes**WEEE/RoHS-compliant since:  
05/17/2005

<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>Dimensions / positions</b>	
Pitch	7.62 mm
Dimension a	38.1 mm
Number of positions	6
Screw thread	M3

Tightening torque, min	0.7 Nm
Tightening torque max	0.8 Nm

**Technical data**

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/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	41 A
Nominal voltage $U_N$	1000 V
Nominal cross section	10 mm <sup>2</sup>
Maximum load current	41 A
Insulating material	PA
Inflammability class acc. to UL 94	V0
Stripping length	10 mm
Nominal voltage, UL/CUL Use Group B	600 V
Nominal current, UL/CUL Use Group B	41 A
Nominal voltage, UL/CUL Use Group C	600 V
Nominal current, UL/CUL Use Group C	41 A

**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

### Certificates / Approvals

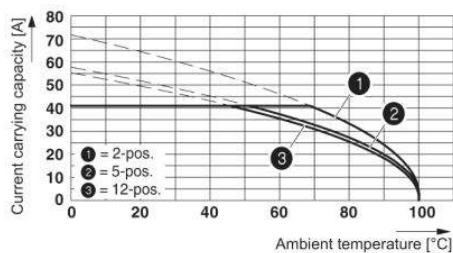


Certification

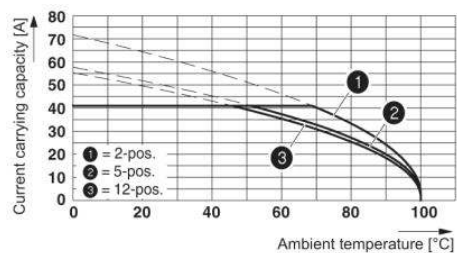
CUL, UL

### Diagrams/Drawings

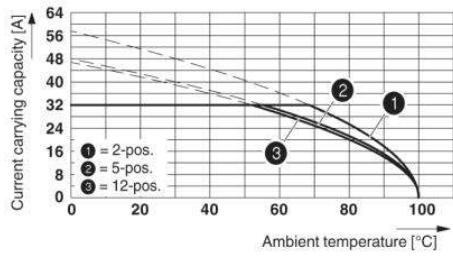
Diagram



Derating curve for: IPC 5/...-ST-7.62 with  
 PC 5/...-ST-7.62  
 Conductor cross section = 10 mm<sup>2</sup>

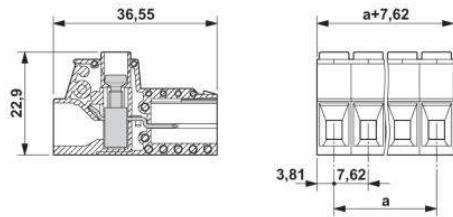


Derating curve for: IPC 5/...-ST-7.62 with  
 IPC 5/...-G-7.62  
 Conductor cross section = 10 mm<sup>2</sup>



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

### Dimensioned drawing



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