Printed-circuit board connector - PC 6/ 6-STF-10,16 - 1913617

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

Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

Product Features

- Can be plugged into PC 6-16 headers
- High-capacity plugs with a current carrying capacity of 41 A and a connection capacity of 6 mm², stranded/10 mm², solid
- Unlimited 600 V UL approval
- Contact reliability due to integrated double steel spring and silver-plated surfaces
- CP-PC RD coding profile

Key commercial data

package_quantity	50
GTIN	4017918179090

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	50.8 mm

General

Range of articles	PC 6/..-STF
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 mm²
Maximum load current	41 A
Insulating material	PA
Inflammability class according to UL 94	V0

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Technical data

General

Internal cylindrical gage	A5
Stripping length	12 mm
Number of positions	6
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Connection data

Conductor cross section solid min.	0.75 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section stranded min.	0.75 mm²
Conductor cross section stranded max.	6 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm²
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	8
2 conductors with same cross section, solid min.	0.75 mm²
2 conductors with same cross section, solid max.	4 mm²
2 conductors with same cross section, stranded min.	0.75 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm²
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	8

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

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classifications

eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

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

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	50 A	50 A
mm²/AWG/kcmil	20-8	20-8

cUL Recognized

Usegroups	**B**	**C**
Nominal voltage UN	600 V	600 V
Nominal current IN	50 A	50 A
mm²/AWG/kcmil	20-8	20-8

GOST

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approvals

cULus Recognized

accessories

Coding element

CP-PC RD - 1701967



Screwdriver tools

SZS 1,0X4,0 VDE - 1205066



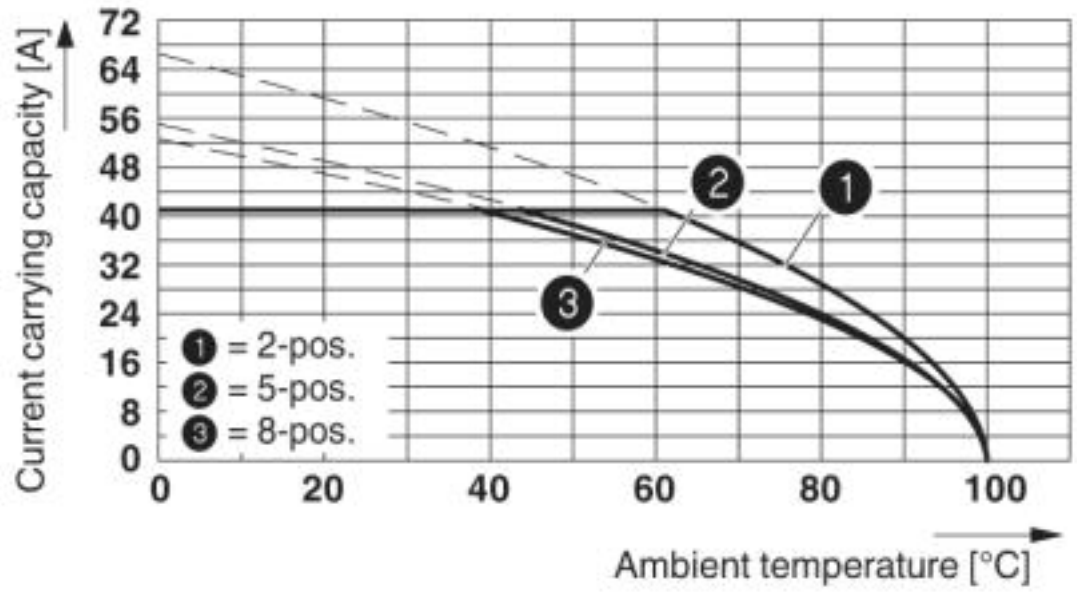
accessories

SK 10/5: 0-9 - 0804688

Drawings

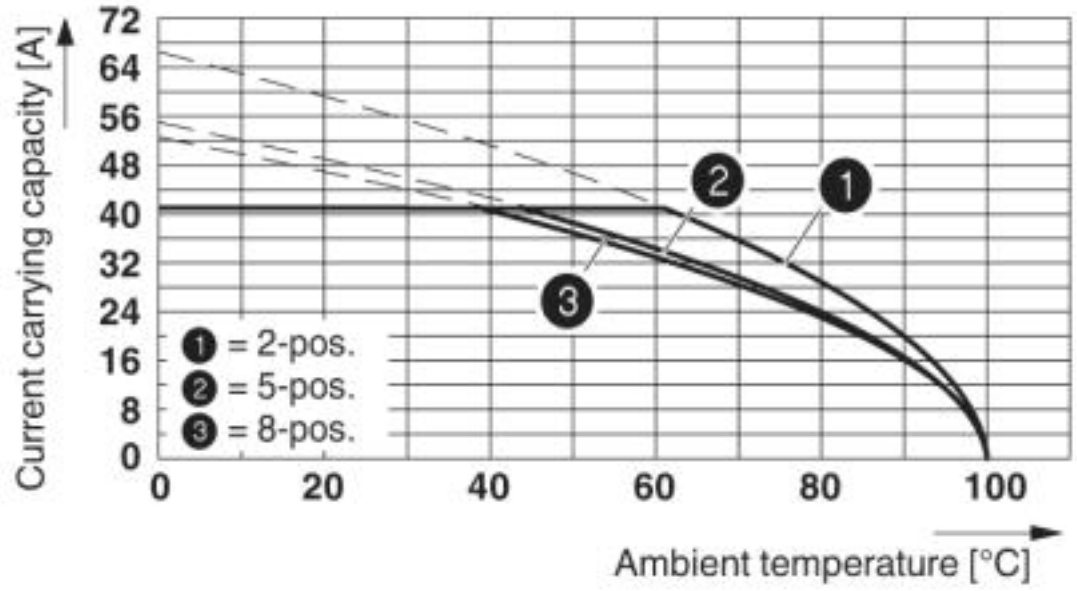
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Diagram



Derating curve for: PC 6/..-ST-10,16 with PC 6-16/..-G1-10,16

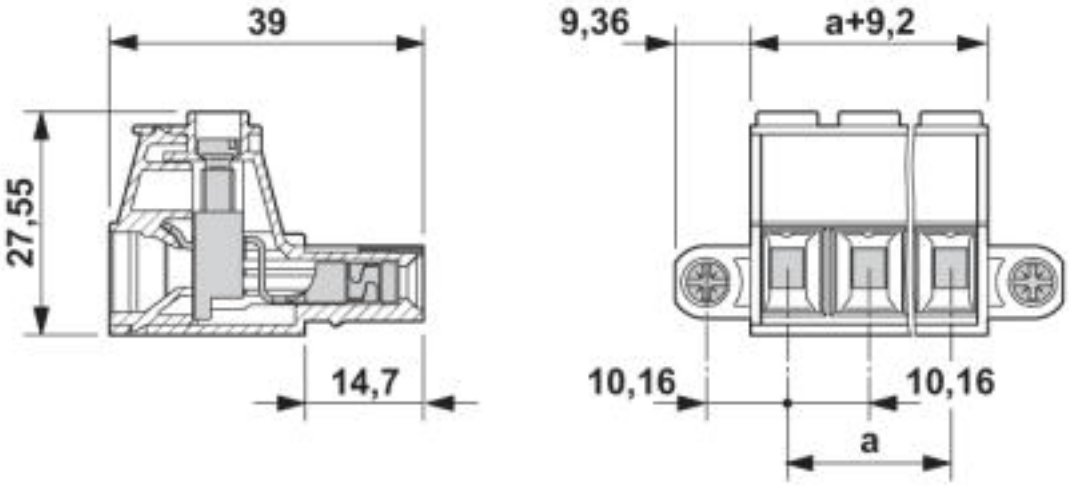
Diagram



Derating curve for: PC 6/..-ST-10,16 with PCV 6-16/..-G1-10,16

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Dimensioned drawing



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