



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Printed-circuit board connector - SPC 5/ 6-ST-7,62 - 1996058

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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: Spring-cage connection, Color: green, Contact surface: Tin

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

Product Features

- ✓ Fast connection technology thanks to tool-free direct plug-in principle
- ✓ Automatic, tool-free snap-lock mechanism using the Click and Lock system (-STCL); high level of safety even in the event of vibrations
- ✓ Unlimited 600 V UL approval
- ✓ Maximum contact reliability due to integrated double steel spring
- ✓ Push-in spring-cage plug with a current carrying capacity of 41 A
- ✓ CP-PC RD coding profile



Key commercial data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	28.2 GRM
Custom tariff number	85366990
Country of origin	Bulgaria

Technical data

Dimensions

Pitch	7.62 mm
Dimension a	38.1 mm

General

Range of articles	SPC 5/...-ST
Insulating material group	I
Rated surge voltage (III/3)	8 kV

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Technical data

General

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 ²
Maximum load current	41 A
Insulating material	PA
Inflammability class according to UL 94	V0
Stripping length	15 mm
Number of positions	6

Connection data

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

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Classifications

eCl@ss

eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
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

Approvals


Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 		
	B	C
mm ² /AWG/kcmil	24-8	24-8
Nominal current I _N	35 A	35 A

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Approvals

	B	C
Nominal voltage UN	600 V	600 V

cUL Recognized

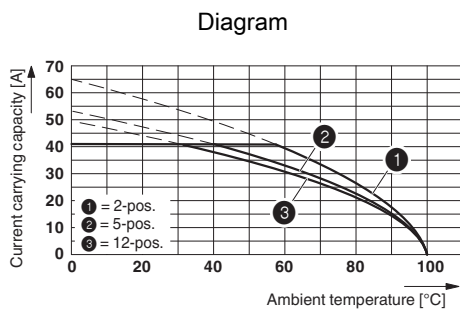
	B	C
mm ² /AWG/kcmil	24-8	24-8
Nominal current IN	35 A	35 A
Nominal voltage UN	600 V	600 V

GOST

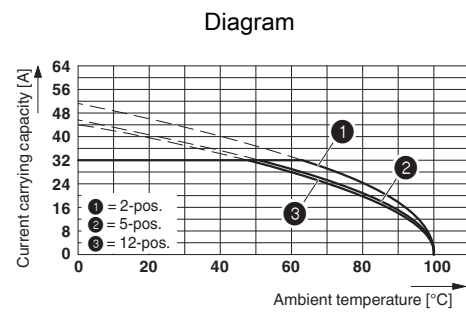
GOST

cULus Recognized

Drawings



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



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

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Dimensioned drawing

