

POWER COMBICON spring-cage connector

7.62 mm pitch

SPC 5/...-ST(F)-7,62

Especially in the high current range, the following is true for conductor connection: Time is money. The new spring-cage plug SPC 5 saves both, as due to the quick spring-cage connection, it reduces wiring and mounting work. With the innovative SPC 5-COMBI springs, large conductor cross sections up to 10 mm² solid or 6 mm² stranded with ferrule can be plugged in with moderate force, contacting without any tools. This means extremely fast conductor connection according to the direct plug-in principle together with high ergonomomy and high performance.

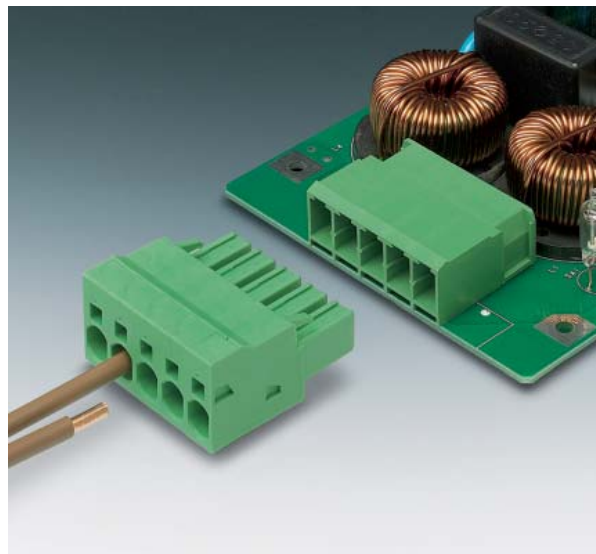
The nominal current is 41 A and the unlimited UL voltage of 600 V allows for problem-free equipment certification in the industrial Use Group C. As in all COMBICON power products, the integrated double steel spring provides maximum contact safety even at high power and temperature fluctuations. The SPC 5 plug is compatible with the PC 4 header

As is normal in the COMBICON power range, the SPC 5 as STF-SH version likewise offers a professional shield connection with strain relief for the cable harness. In the compact pitch of 7.62 mm, the plug connector is available in 2 to 12 number of positions.

Versions with screw flange (-STF) increase the contact safety especially during vibrations. The keying profile that is inserted in the slot on the connector and in the PC 4 header, is reliable polarity protection especially for applications where several headers are placed next to each other.

Note:

In compliance with DIN EN 61984, COMBICON plug connectors come without switching capacity. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.



COMBICON Select

The COMBICON search engine with CAD downloading



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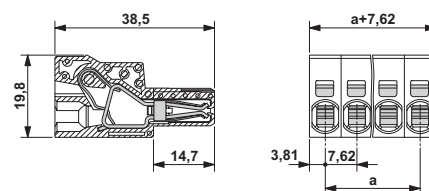
select.phoenixcontact.com/combicon

POWER COMBICON
Spring-cage connector
SPC 5/...-ST-7,62
7.62 mm pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
POWER COMBICON spring-cage plugs, 7.62 mm pitch, color: green					
	2	7.62	SPC 5/ 2-ST-7,62	1996016	50
	3	15.24	SPC 5/ 3-ST-7,62	1996029	50
	4	22.86	SPC 5/ 4-ST-7,62	1996032	50
	5	30.48	SPC 5/ 5-ST-7,62	1996045	50
	6	38.10	SPC 5/ 6-ST-7,62	1996058	50
	7	45.72	SPC 5/ 7-ST-7,62	1996061	50
	8	53.34	SPC 5/ 8-ST-7,62	1996074	50
	9	60.96	SPC 5/ 9-ST-7,62	1996087	50
	10	68.58	SPC 5/10-ST-7,62	1996090	50
	11	76.20	SPC 5/11-ST-7,62	1996100	50
	12	83.82	SPC 5/12-ST-7,62	1996113	50
Keying profile , is inserted into the slot on the plug and header, red insulating material			CP-HCC 4	1600027	100
Screwdriver , to actuate the COMBI spring			SZF 1 - 0,6 x 3,5	1204517	10
Marker card , with 12 pcs., 10-section marker strips, white, self-adhesive, for 120 terminal blocks			SK 7,62/3,8 (see COMBICON catalog)		
Technical data			see description		
Dimensions			7.62		
Pitch			[mm]		
Technical data in accordance with IEC/ DIN VDE					
Insulating material group			I		
Surge voltage category / contamination class			III / 3 III / 2 II / 2		
Rated voltage			1000 1000 1000		
Rated surge voltage			8 8 6		
Nominal current / cross section			[A] / [mm²] 32 ¹⁾ / 6		
Maximum load current / cross section			[A] / [mm²] 41 ¹⁾ / 10		
Connection capacity					
Solid / stranded / conductor sizes			0.2 - 10 / 0.2 - 6 / 24 - 8		
Stranded with ferrule without / with plastic sleeve			[mm²] / [mm²] / AWG 0.25 - 6 / 0.25 - 4		
Multiple connection (2 conductors with same cross section)					
Solid / stranded			[mm²] - / -		
Stranded with ferrules without plastic sleeve			[mm²] -		
Stranded with TWIN ferrule with plastic sleeve			[mm²] 0.25 - 1.5		
Stripping length			[mm] 15		
Internal cylindrical gage (IEC 60947-1), a x b / diameter			[mm] 4.3 x 4.0 / 4.0		
Screw thread			- -		
Tightening torque			[Nm] -		
Insulation material			PA		
Inflammability class acc. to UL 94			V0		
Approval data (UL/CUL and CSA)					
Usegroup B			[V] / [A] / AWG on request		
Usegroup C			[V] / [A] / AWG on request		
Usegroup D			[V] / [A] / AWG on request		

¹⁾ Observe derating curve

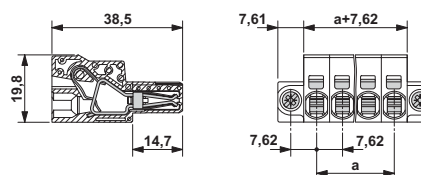


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POWER COMBICON spring-cage plugs, 7.62 mm pitch, color: green					
	2	7.62	SPC 5/ 2-STF-7,62	1996126	50
	3	15.24	SPC 5/ 3-STF-7,62	1996139	50
	4	22.86	SPC 5/ 4-STF-7,62	1996142	50
	5	30.48	SPC 5/ 5-STF-7,62	1996155	50
	6	38.10	SPC 5/ 6-STF-7,62	1996168	50
	7	45.72	SPC 5/ 7-STF-7,62	1996171	50
	8	53.34	SPC 5/ 8-STF-7,62	1996184	50
	9	60.96	SPC 5/ 9-STF-7,62	1996197	50
	10	68.58	SPC 5/10-STF-7,62	1996207	50
	11	76.20	SPC 5/11-STF-7,62	1996210	50
	12	83.82	SPC 5/12-STF-7,62	1996223	50
Keying profile , is inserted into the slot on the plug and header, red insulating material			CP-HCC 4	1600027	100
Screwdriver , to actuate the COMBI spring			SZF 1 - 0,6 x 3,5	1204517	10
Marker card , with 12 pcs., 10-section marker strips, white, self-adhesive, for 120 terminal blocks			SK 7,62/3,8 (see COMBICON catalog)		
Technical data			see description		
Dimensions			7.62		
Pitch [mm]					
Technical data in accordance with IEC/ DIN VDE					
Insulating material group			I		
Surge voltage category / contamination class			III / 3 III / 2 II / 2		
Rated voltage [V]			1000 1000 1000		
Rated surge voltage [kV]			8 8 6		
Nominal current / cross section [A] / [mm²]			32 ¹⁾ / 6		
Maximum load current / cross section [A] / [mm²]			41 ¹⁾ / 10		
Connection capacity			0.2 - 10 / 0.2 - 6 / 24 - 8		
Solid / stranded / conductor sizes [mm²] / [mm²] / AWG			0.25 - 6 / 0.25 - 4		
Stranded with ferrule without / with plastic sleeve [mm²]					
Multiple connection (2 conductors with same cross section)					
Solid / stranded [mm²]			- / -		
Stranded with ferrules without plastic sleeve [mm²]			-		
Stranded with TWIN ferrule with plastic sleeve [mm²]			0.25 - 1.5		
Stripping length [mm]			15		
Internal cylindrical gage (IEC 60947-1), a x b / diameter [mm]			4.3 x 4.0 / 4.0		
Screw thread -			-		
Tightening torque [Nm]			-		
Insulation material			PA		
Inflammability class acc. to UL 94			V0		
Approval data (UL/CUL and CSA)					
Usegroup B [V] / [A] / AWG			on request		
Usegroup C [V] / [A] / AWG			on request		
Usegroup D [V] / [A] / AWG			on request		

¹⁾ Observe derating curve

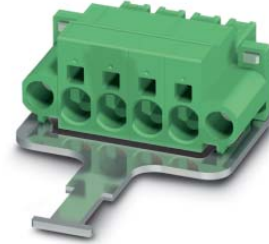


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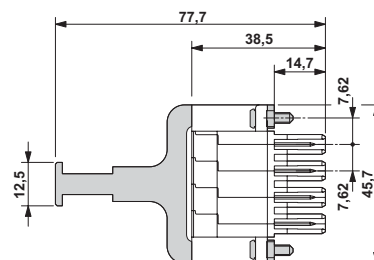
SPC 5/...-STF-SH-7,62

7.62 mm pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
POWER COMBICON spring-cage plugs, 7.62 mm pitch, color: green	2	7.62	SPC 5/ 4-STF-SH-7,62	1704071	50
	3	15.24			
	4	22.86			
	5	30.48			
	6	38.10			
	7	45.72			
	8	53.34			
	9	60.96			
	10	68.58			
	11	76.20			
	12	83.82			
Keying profile , is inserted into the slot on the plug and header, red insulating material			CP-HCC 4	1600027	100
Screwdriver , to actuate the COMBI spring			SZF 1 - 0,6 x 3,5	1204517	10
Marker card , with 12 pcs., 10-section marker strips, white, self-adhesive, for 120 terminal blocks			SK 7,62/3,8 (see COMBICON catalog)		
Technical data			see description		
Dimensions			7.62		
Pitch		[mm]			
Technical data in accordance with IEC/ DIN VDE					
Insulating material group		-			
Surge voltage category / contamination class		- / -			
Rated voltage		[V]			
Rated surge voltage		[kV]			
Nominal current / cross section		[A] / [mm²]			
Maximum load current / cross section		[A] / [mm²]			
Connection capacity					
Solid / stranded / conductor sizes		[mm²] / [mm²] / AWG			
Stranded with ferrule without / with plastic sleeve		[mm²]			
Multiple connection (2 conductors with same cross section)					
Solid / stranded		[mm²]			
Stranded with ferrules without plastic sleeve		[mm²]			
Stranded with TWIN ferrule with plastic sleeve		[mm²]			
Stripping length					
Internal cylindrical gage (IEC 60947-1), a x b / diameter					
Screw thread					
Tightening torque					
Insulation material					
Inflammability class acc. to UL 94					
Approval data (UL/CUL and CSA)					
Usegroup B		[V] / [A] / AWG			
Usegroup C		[V] / [A] / AWG			
Usegroup D		[V] / [A] / AWG			

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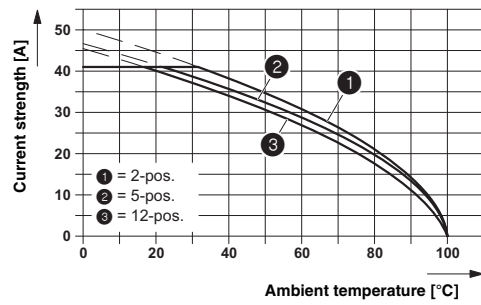
Derating curve

Type: SPC 5/...-ST-7,62 with PC 4/...-G-7,62

Connected conductor cross section = 10 mm²

Reduction factor = 0.8

Number of positions = see diagram



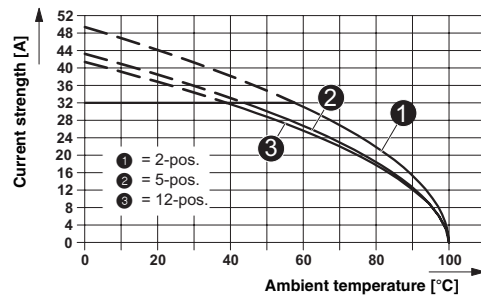
Derating curve

Type: SPC 5/...-ST-7,62 with PC 4/...-G-7,62

Connected conductor cross section = 6 mm²

Reduction factor = 0.8

Number of positions = see diagram





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Экспресс доставка в любую точку России;
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Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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