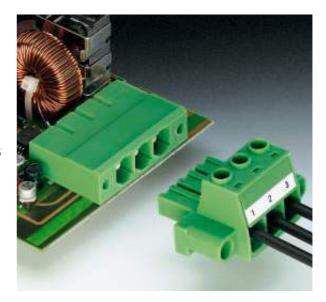


POWER COMBICON Plugs and Headers PC 6/... for Currents up to 41 A, 10.16 mm Pitch

The PC 6 plug connector features highly conductive metal alloys to offer a current carrying capacity of 41 A at a rated voltage of 1000 V. A double steel spring on the female side offers additional contact reliability especially in the case of extreme fluctuations of power or temperature.

The plugs are also available with a screw flange for vibration-proof connection to the headers, with 2 to 8 positions.

The plugs and headers are coded with the CP-HCC 4. coding profile. The self-adhesive marker cards SK 10/5 are used for labeling (see COMBICON catalog).



PC 6/...-ST-10,16 10.16 mm Pitch



Description	No. of positions	Dim. a [mm]	Туре	Order No.	Pcs./Pkt.
POWER COMBICON plugs,					
10.16 mm pitch, color: green	2 3	10.16 20.32	PC 6/2-ST-10,16 PC 6/3-ST-10,16	19 13 50 7 19 13 51 0	50
	3 4	20.32 30.48	PC 6/3-51-10,16 PC 6/4-ST-10,16	19 13 51 0	
	5	40.64	PC 6/5-ST-10.16	19 13 53 6	
	6	50.80	PC 6/6-ST-10,16	19 13 54 9	
	7	60.96	PC 6/7-ST-10,16	19 13 55 2	
	8	71.12	PC 6/8-ST-10,16	19 13 56 5	
(1) Coding profile, is inserted into the recess on the plug and header, insulating material: red			CP-HCC 4	16 00 02 7	100
(2) Marker card, with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks			SK 10/5 (see COMBICON catalog)		
(3) Screwdriver, blade: 1.0 x 4.0 x 100 mm, length: 200 mm		1	SZS 1,0 x 4,0	12 05 06 6	10
Technical data					
Dimensions			see descript	ion	
Pitch		[mm]	10.16		
Hole diameter		[mm	-		
Pin dimensions	[mm]	x[mm]			
Technical data in accordance with IEC/ DI	N VDE				
Insulating material group		-	I		
Surge voltage category / contamination class	3	-/-	III / 3 III / 2	II / 2	
Rated voltage		[V]	1000 1000	1000	
Rated surge voltage		[kV]	8 8	8	
Nominal current / cross section	[A]	[mm²]	41 / 6.0		
Maximum load current / cross section	[A]	/[mm²]	41 / 6.0		
Connection capacity					
Solid / stranded / conductor sizes	[mm ²]/[mm ²]		0.5 - 10.0 / 0.5 - 6		
Stranded with ferrule without / with plastic sle		[mm²]	0.5 - 6.0 / 0.5	-6.0	
Multiple connection (2 conductors with sa		,			
Solid / stranded		[mm²]	0.5 - 6.0 / 0.5	- 6.0	
Stranded with ferrule with plastic sleeve		[mm²]	0.5 - 2.5		
Stranded with TWIN ferrule with plastic sleev	'e	[mm²]	0.5 - 4.0		
Stripping length		[mm]	12		
Internal cylindrical gauge (IEC 60 947-1)			A 5		
Thread		Th.L. 1	M 4		
Torque		[Nm]	1.2 - 1.5		
Insulating material			PA		
Inflammability class in acc. with UL 94			V0		
Approval data (UL/CUL and CSA) Nominal voltage / current / conductor sizes	UL/CUL:[V]/[A] CSA:[V]/[A]		600 / 41 / 20	- 8	



PC 6/...-STF-10,16 with Screw Flange 10.16 mm Pitch



Description	No. of positions	Dim. a [mm]	Туре	Order No.	Pcs./Pkt.
POWER COMBICON plugs, 10.16 mm pitch, color: green, with screw flange	2 3 4	10.16 20.32 30.48	PC 6/2-STF-10,16 PC 6/3-STF-10,16 PC 6/4-STF-10,16	19 13 57 8 19 13 58 1 19 13 59 4	50
	5 6 7	40.64 50.80 60.96	PC 6/5-STF-10,16 PC 6/6-STF-10,16 PC 6/7-STF-10,16	19 13 60 4 19 13 61 7 19 13 62 0	
	8	71.12	PC 6/8-STF-10,16	19 13 63 3	
(1) Coding profile, is inserted into the recess on the plug and header, insulating material: red			CP-HCC 4	16 00 02 7	100
(2) Marker card, with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks			SK 10/5 (see COMBICON catalog)		
(3) Screwdriver , blade: 1.0 x 4.0 x 100 mm, length: 200 mm		- 100 C	SZS 1,0 x 4,0	12 05 06 6	10
Technical data					
Dimensions			see descrip	tion	
Pitch		[mm]	10.16		
Hole diameter		[mm]	_		
Pin dimensions	[mm]	x[mm]	_		
Technical data in accordance with IEC/	DIN VDE				
Insulating material group		-	1		
Surge voltage category / contamination cla	iss	-/-	III / 3 III / 2	II / 2	
Rated voltage		[V]	1000 1000	1000	
Rated surge voltage		[kV]	8 8	8	
Nominal current / cross section	[A]	[mm²]	41 / 6.0		
Maximum load current / cross section	[A]	[mm²]	41 / 6.0		
Connection capacity					
Solid / stranded / conductor sizes	[mm ²]/[mm ²]		0.5 - 10.0 / 0.5 - 6		
Stranded with ferrule without / with plastic		[mm ²]	0.5 - 6.0 / 0.5	5 -6.0	
Multiple connection (2 conductors with	same cross secti	•			
Solid / stranded		[mm ²]	0.5 - 6.0 / 0.5		
Stranded with ferrule with plastic sleeve		[mm²]	0.5 - 2.5		
Stranded with TWIN ferrule with plastic sle	eve	[mm ²]	0.5 - 4.0		
Stripping length		[mm]	12		
Internal cylindrical gauge (IEC 60 947-1			A 5		
Thread		7 1. 1	M 4		
Torque		[Nm]	1.2 - 1.5		
Insulating material			PA		
Inflammability class in acc. with UL 94			V0		
Approval data (UL/CUL and CSA) Nominal voltage / current / conductor sizes	UL/CUL:[V]/[A] CSA:[V]/[A]		600 / 41 / 20) - 8	

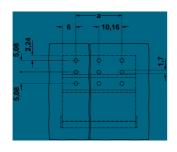


PC 6/...-G-10,16 10.16 mm Pitch



Description	No. of positions	Dim. a [mm]	Туре		Order No.	Pcs./Pkt.
POWER COMBICON headers,						
10.16 mm pitch, color: green, plug-in direction parallel to the PCB	2 3 4	10.16 20.32 30.48	PC 6/2-G-10,16 PC 6/3-G-10,16 PC 6/4-G-10,16		19 13 64 6 19 13 65 9 19 13 66 2	50
	5 6 7	40.64 50.80 60.96	PC 6/5-G-10,16 PC 6/6-G-10,16 PC 6/7-G-10,16		19 13 67 5 19 13 68 8 19 13 69 1	
	8	71.12	PC 6/8-G-10,16		19 13 70 1	
(1) Coding profile, is inserted into the recess on the plug and header, insulating material: red			CP-HCC 4		16 00 02 7	100
(2) Marker card , with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks			SK 10/5 (see COMBICON c	atalog)		
Technical data						
Dimensions Pitch Hole diameter Pin dimensions	[mm	[mm] [mm]x[mm]		see description 10.16 1.7 1.0 x 1.2	on	
Technical data in accordance with IEC	/ DIN VDE					
Insulating material group		_		1		
Surge voltage category / contamination of	class	-/-	III/3	III/2	II / 2	
Rated voltage		[V]	630¹)	1000	1000	
Rated surge voltage	r A ·	[kV]	6	8 41 / –	8	
Nominal current / cross section Maximum load current / cross section]/[mm²]]/[mm²]		41 / – 41 / –		
Connection capacity	[A	/[mm²]	-	41/-		
Solid / stranded / conductor sizes	[mm²]/[mm²	1/ΔWG		_		
Stranded with ferrule without / with plastic		[mm²]		_		
Multiple connection (2 conductors wit						
Solid / stranded		, [mm²]		_		
Stranded with ferrule with plastic sleeve		[mm ²]		_		
Stranded with TWIN ferrule with plastic s	leeve	[mm ²]		_		
Stripping length		[mm]		_		
Internal cylindrical gauge (IEC 60 947-	·1)			_		
Thread						
Torque		[Nm]	<u> </u>			
Insulating material				PA		
Inflammability class in acc. with UL 94				V0		
Approval data (UL/CUL and CSA) Nominal voltage / current / conductor size	es UL/CUL:[V]/[A CSA:[V]/[A			300 / 41 / -		

^{1) 1000} V on printed circuit board.



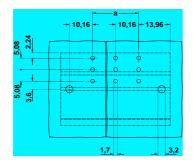


PC 6/...-GF-10,16 with Threaded Flange 10.16 mm Pitch



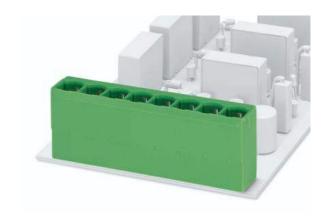
Description	No. of positions	Dim. a [mm]	Туре		Order No.	Pcs./Pkt.
POWER COMBICON headers.						
10.16 mm pitch, color: green,	2	10.16	PC 6/2-GF-10,16		19 13 71 4	50
plug-in direction parallel to the PCB,	3	20.32	PC 6/3-GF-10,16		19 13 72 7	
with threaded flange	4	30.48	PC 6/4-GF-10,16		19 13 73 0	
	5	40.64	PC 6/5-GF-10,16		19 13 74 3	
	6	50.80	PC 6/6-GF-10,16		19 13 75 6	
	7	60.96	PC 6/7-GF-10,16		19 13 76 9	
	8	71.12	PC 6/8-GF-10,16		19 13 77 2	
(1) Coding profile, is inserted into the recess on the plug and header, insulating material: red			CP-HCC 4		16 00 02 7	100
(2) Marker card, with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks			SK 10/5 (see COMBICON ca	atalog)		
Technical data						
Dimensions			- :	see description	on	
Pitch		[mm]		10.16		
Hole diameter		[mm]		1.7		
Pin dimensions	[mm]	x[mm]		1.0 x 1.2		
Technical data in accordance with IEC	/ DIN VDE					
Insulating material group		-		I		
Surge voltage category / contamination c	lass	-/-	III/3	III / 2	II / 2	
Rated voltage		[V]	630¹)	1000	1000	
Rated surge voltage		[kV]	6	8	8	
Nominal current / cross section	[A]	/[mm ²]		41 / –		
Maximum load current / cross section	[A]	/[mm ²]		41 / –		
Connection capacity						
Solid / stranded / conductor sizes	[mm ²]/[mm ²]]/AWG		_		
Stranded with ferrule without / with plastic		[mm ²]		_		
Multiple connection (2 conductors with	h same cross secti	ion)				
Solid / stranded		[mm ²]		_		
Stranded with ferrule with plastic sleeve		[mm ²]		-		
Stranded with TWIN ferrule with plastic sl	eeve	[mm ²]		_		
Stripping length		[mm]		_		
Internal cylindrical gauge (IEC 60 947-	1)			_		
Thread				_		
Torque		[Nm]		_		
Insulating material				PA		
Inflammability class in acc. with UL 94				V0		
Approval data (UL/CUL and CSA)						
Nominal voltage / current / conductor size	es UL/CUL:[V]/[A] CSA:[V]/[A]			300 / 41 / -		
1) 1000 \/ on printed sirewit board						

^{1) 1000} V on printed circuit board.





PCV 6/...-G-10,16 10.16 mm Pitch



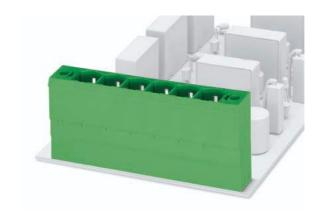
Description	No. of positions	Dim. a [mm]	Туре	Order No.	Pcs./Pkt.
POWER COMBICON headers,					
10.16 mm pitch, color: green, plug-in direction vertical to the PCB,	2 3 4	10.16 20.32 30.48	PCV 6/2-G-10,16 PCV 6/3-G-10,16 PCV 6/4-G-10,16	19 22 48 8 19 22 49 1 19 22 50 1	50
	5 6 7	40.64 50.80 60.96	PCV 6/5-G-10,16 PCV 6/6-G-10,16 PCV 6/7-G-10,16	19 22 51 4 19 22 52 7 19 22 53 0	
	8 9	71.12 81.28	PCV 6/8-G-10,16 PCV 6/9-G-10,16	19 22 54 3 19 22 55 6	
(1) Coding profile, is inserted into the recess on the plug and header, insulating material: red			CP-HCC 4	16 00 02 7	100
(2) Marker card, with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks			SK 10/5 (see COMBICON catalog)		
Technical data					_
Dimensions			see descrip	tion	
Pitch		[mm]	10.16		
Hole diameter		[mm	1.7		
Pin dimensions		x[mm]	1.0 x 1.2		
Technical data in accordance with IEC	/ DIN VDE		1		
Insulating material group Surge voltage category / contamination of	alaaa	_ _/_	III/3 III/2	II / 2	
Rated voltage	ciass	_/_ [V]	630¹) 1000	1000	
Rated voltage Rated surge voltage		[v] [kV]	6 8	8	
Nominal current / cross section	[Δ]	/[mm²]	41 / –	O	
Maximum load current / cross section		/[mm²]	41 / –		
Connection capacity		£]			
Solid / stranded / conductor sizes	[mm ²]/[mm ²]	/AWG	_		
Stranded with ferrule without / with plasti		[mm²]	_		
Multiple connection (2 conductors wit	th same cross secti	on)			
Solid / stranded		[mm ²]	_		
Stranded with ferrule with plastic sleeve		[mm ²]	_		
Stranded with TWIN ferrule with plastic s	leeve	[mm ²]			
Stripping length		[mm]	. <u> </u>		
Internal cylindrical gauge (IEC 60 947-	-1)		. <u> </u>		
Thread		Th. 1			
Torque		[Nm]			
Insulating material			PA Vo		
Inflammability class in acc. with UL 94 Approval data (UL/CUL and CSA)			V0		
Nominal voltage / current / conductor siz	es UL/CUL:[V]/[A] CSA:[V]/[A]		300 / 41 /	-	







PCV 6/...-GF-10,16 with Threaded Flange 10.16 mm Pitch



Description	No. of positions	Dim. a [mm]	Туре		Order No.	Pcs./Pkt.
POWER COMBICON headers,						
10.16 mm pitch, color: green, plug-in direction vertical to the PCB, with threaded flange	2 3 4	10.16 20.32 30.48	PCV 6/2-GF-10,16 PCV 6/3-GF-10,16 PCV 6/4-GF-10,16		19 22 56 9 19 22 57 2 19 22 58 5	50
Ü	5 6 7	40.64 50.80 60.96	PCV 6/5-GF-10,16 PCV 6/6-GF-10,16 PCV 6/7-GF-10,16		19 22 59 8 19 22 60 8 19 22 61 1	
	8	71.12	PCV 6/8-GF-10,16		19 22 62 4	
(1) Coding profile, is inserted into the recess on the plug and header, insulating material: red			CP-HCC 4		16 00 02 7	100
(2) Marker card, with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks			SK 10/5 (see COMBICON ca	atalog)		
Technical data						
Dimensions				see description	on	
Pitch		[mm]		10.16		
Hole diameter		[mm		1.7		
Pin dimensions		x[mm]		1.0 x 1.2		
Technical data in accordance with IEC/	DIN VDE					
Insulating material group		_		1		
Surge voltage category / contamination cl	ass	-/-	III/3	III/2	II / 2	
Rated voltage		[V]	630¹)	1000	1000	
Rated surge voltage		[kV]	6	8	8	
Nominal current / cross section	[A]	/[mm²]		41 / –		
Maximum load current / cross section	[A]	/[mm²]		41 / –		
Connection capacity						
Solid / stranded / conductor sizes	[mm ²]/[mm ²]	/AWG		_		
Stranded with ferrule without / with plastic		[mm ²]		_		
Multiple connection (2 conductors with	same cross secti	on)				
Solid / stranded		[mm ²]		_		
Stranded with ferrule with plastic sleeve		[mm²]		_		
Stranded with TWIN ferrule with plastic sle	eeve	[mm²]		_		
Stripping length		[mm]		_		
Internal cylindrical gauge (IEC 60 947-1)	• •	-	_		
Thread	,		-	_		
Torque		[Nm]		_		
Insulating material			-	PA		
Inflammability class in acc. with UL 94				V0		
Approval data (UL/CUL and CSA)						
Nominal voltage / current / conductor size	s UL/CUL:[V]/[A] CSA:[V]/[A]			300 / 41 / -		

^{1) 1000} V on printed circuit board.





POWER COMBICON Plug-In Block for Direct Mounting, 10.16 mm Pitch

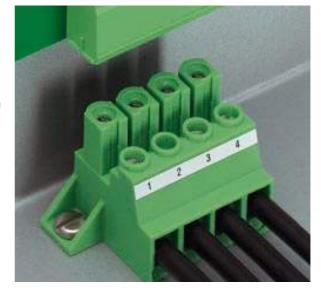
All electronic components are pluggable and easy to maintain. The plug is not connected to the PCB, however, but vice versa.

however, but vice versa.

Plug-in blocks PCU 6/...-STD-10,16with a screw connection and vertical plug-in direction have a base plate with two mounting ears for screwing onto mounting plates or into component housings.

They are available with 2 to 9 positions and a 10.16 mm pitch.

The self-adhesive marker cards SK 10/5 are used for labeling (see COMBICON catalog)



PCU 6/...-STD-10,16 10.16 mm Pitch



Description	No. of positions	Dim. s a [mm]	Туре	Order No.	Pcs./Pkt.
POWER COMBICON plug-in block,	_				
10.16 mm pitch, color: green	2 3	10.16 20.32	PCU 6/2-STD-10,16	19 22 63 7 19 22 64 0	50
	3 4	20.32 30.48	PCU 6/3-STD-10,16 PCU 6/4-STD-10,16	19 22 64 0	
	·		·		
	5	40.64	PCU 6/5-STD-10,16	19 22 66 6	
	6 7	50.80 60.96	PCU 6/6-STD-10,16 PCU 6/7-STD-10,16	19 22 67 9 19 22 68 2	
	•		,		
	8 9	71.12 81.28	PCU 6/8-STD-10,16 PCU 6/9-STD-10,16	19 22 69 5 19 22 70 5	
(1) Coding profile, is inserted into the recess on the plug and header, insulating material: red			CP-HCC 4	16 00 02 7	100
(2) Marker card, with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks			SK 10/5 (see COMBICON catalog)		
(3) Screwdriver, blade: 1.0 x 4.0 x 100 mm, length: 200 mm		() () () () () () () () () ()	SZS 1,0 x 4,0	12 05 06 6	10
Technical data					1
Dimensions			see descr	iption	
Pitch		[mm]	10.16	S	
Hole diameter		[mm	_		
Pin dimensions	[mm	n]x[mm]			
Technical data in accordance with IEC	/ DIN VDE				
Insulating material group		_	I		
Surge voltage category / contamination of	class	-/-	III / 3 III / 2		
Rated voltage		[V]	1000 1000		
Rated surge voltage		[kV]	8 8	8	
Nominal current / cross section		\]/[mm²]	41 / 6.		
Maximum load current / cross section	[A	\]/[mm²]	41 / 6.	.0	
Connection capacity			0 = 40 0 / 0 =	00/00 =	
Solid / stranded / conductor sizes	[mm²]/[mm	•	0.5 - 10.0 / 0.5 - 6.0 / 20 - 7		
Stranded with ferrule without / with plasti		[mm²]	0.5 - 6.0 / 0	1.5 -6.0	
Multiple connection (2 conductors wit	n same cross sec	•	0.5.60/0	F 60	
Solid / stranded Stranded with ferrule with plastic sleeve		[mm ²]	0.5 - 6.0 / 0 0.5 - 2		
Stranded with ferrule with plastic sleeve Stranded with TWIN ferrule with plastic s	leeve	[mm²] [mm²]	0.5 - 2 0.5 - 4		
Stripping length	ICCVC	[mm]	12	.0	
Stripping length Internal cylindrical gauge (IEC 60 947-	.1)	luuui	A 5		
Thread	1)				
Torque		[Nm]	1.2 - 1	5	
Insulating material		[14111]	PA		
Inflammability class in acc. with UL 94			V0		
Approval data (UL/CUL and CSA)					
Nominal voltage / current / conductor size			-		
	CSA:[V]/[<i>A</i>	AJ/AWG			

