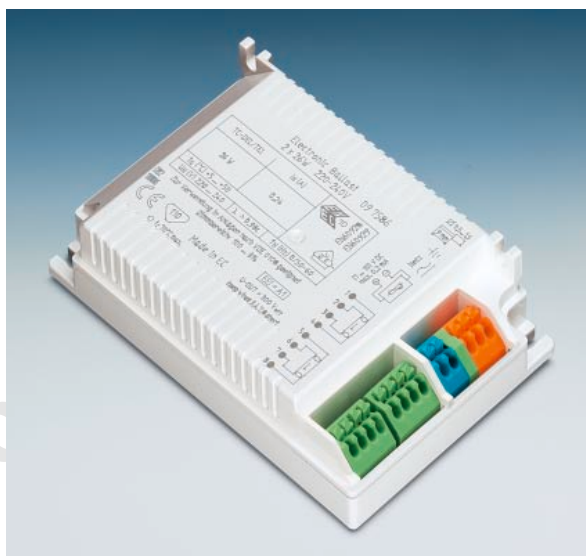


COMBICON compact; Spring-Cage PCB Termination Blocks PTSA 0,5/... with a 2.5 mm Pitch PTSA 1,5/... with a 3.5 mm Pitch

The PTSA spring-cage PCB terminal block range is characterized by an easy-to-operate angled spring-cage connection.

It clamps solid and stranded conductors up to 0.5 or 1.5 mm² with the pitches 2.5 and 3.5 mm. Due to the small pitches and the compact outer dimensions, this range is particularly suitable for applications in which space is critical. Typical applications include in particular lighting engineering and telecommunications. The PTSA range can be supplied as a termination block either with solder pins arranged in a row at the front, or with offset solder pins.

Z pinning serves to increase the voltage values up to 400 V or 630 V. Pitch spacers and different color versions make it easy to put together customized termination blocks. It is possible to intermix the pitches. Individual labeling of these products is possible.



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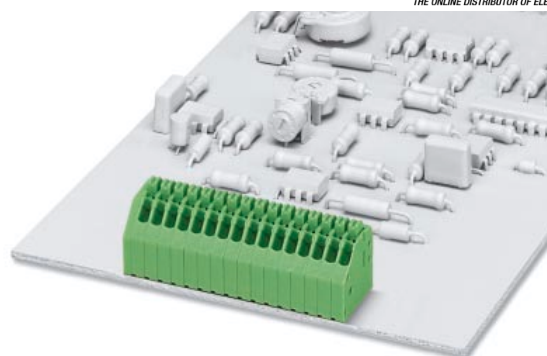


COMBICON Select – the printed circuit board connection software supports your workflow from the PCB and housing layout to the ordering process with:

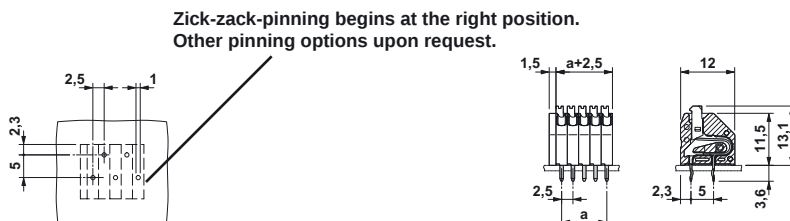
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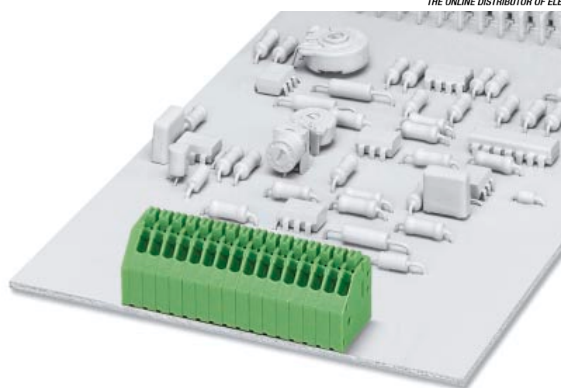
PCB Termination Blocks PTSA 0,5/...-2,5-Z 2.5 mm Pitch



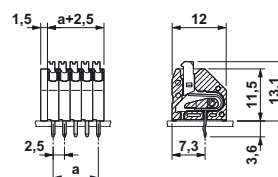
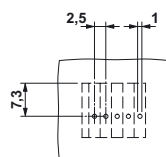
Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
PCB termination blocks, offset pins, 2.5 mm pitch, color: green					
	2	2.5	PTSA 0,5/2-2,5-Z	19 90 00 9	250
	3	5	PTSA 0,5/3-2,5-Z	19 90 01 2	250
	4	7.5	PTSA 0,5/4-2,5-Z	19 90 02 5	250
	5	10	PTSA 0,5/5-2,5-Z	19 90 03 8	100
	6	12.5	PTSA 0,5/6-2,5-Z	19 90 04 1	100
	7	15	PTSA 0,5/7-2,5-Z	19 90 05 4	100
	8	17.5	PTSA 0,5/8-2,5-Z	19 90 06 7	100
	9	20	PTSA 0,5/9-2,5-Z	19 90 07 0	100
	10	22.5	PTSA 0,5/10-2,5-Z	19 90 08 3	100
	11	25	PTSA 0,5/11-2,5-Z	19 90 09 6	50
	12	27.5	PTSA 0,5/12-2,5-Z	19 90 10 6	50
	13	30	PTSA 0,5/13-2,5-Z	19 90 11 9	50
	14	32.5	PTSA 0,5/14-2,5-Z	19 90 12 2	50
	15	35	PTSA 0,5/15-2,5-Z	19 90 13 5	50
	16	37.5	PTSA 0,5/16-2,5-Z	19 90 14 8	50
	17	40	PTSA 0,5/17-2,5-Z	19 90 15 1	50
	18	42.5	PTSA 0,5/18-2,5-Z	19 90 16 4	50
	19	45	PTSA 0,5/19-2,5-Z	19 90 17 7	50
	20	47.5	PTSA 0,5/20-2,5-Z	19 90 18 0	50
	21	50	PTSA 0,5/21-2,5-Z	19 90 19 3	50
	22	52.5	PTSA 0,5/22-2,5-Z	19 90 20 3	50
	23	55	PTSA 0,5/23-2,5-Z	19 90 22 9	50
	24	57.5	PTSA 0,5/24-2,5-Z	19 90 23 2	50
Technical data					
Dimensions			see description		
Pitch			2.5		
Hole diameter			1		
Pin dimensions			0.4 x 0.75		
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			160 250 400		
Rated surge voltage			2.5 2.5 2.5		
Nominal current / cross section			2 / 0.5		
Maximum load current / cross section			2 / 0.5		
Connection capacity					
Solid / stranded / conductor sizes			0.14 - 0.5 / 0.2 - 0.5 / 24 - 20		
Stranded with ferrule without / with plastic sleeve			—		
Stripping length			8		
Insulating material					
Inflammability class in acc. with UL 94			PA		
Approval data (UL/CUL and CSA)					
Nominal voltage / current / conductor sizes			UL/CUL: [V]/[A]/AWG		
			CSA: [V]/[A]/AWG		



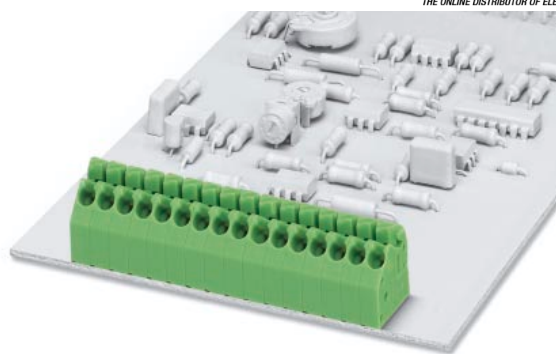
PCB Termination Blocks PTSA 0,5/...-2,5-F 2.5 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
PCB termination blocks, pins at the front, 2.5 mm pitch, color: green					
	2	2.5	PTSA 0,5/2-2,5-F	19 89 74 8	250
	3	5	PTSA 0,5/3-2,5-F	19 89 75 1	250
	4	7.5	PTSA 0,5/4-2,5-F	19 89 76 4	250
	5	10	PTSA 0,5/5-2,5-F	19 89 77 7	100
	6	12.5	PTSA 0,5/6-2,5-F	19 89 78 0	100
	7	15	PTSA 0,5/7-2,5-F	19 89 79 3	100
	8	17.5	PTSA 0,5/8-2,5-F	19 89 80 3	100
	9	20	PTSA 0,5/9-2,5-F	19 89 81 6	100
	10	22.5	PTSA 0,5/10-2,5-F	19 89 82 9	100
	11	25	PTSA 0,5/11-2,5-F	19 89 83 2	50
	12	27.5	PTSA 0,5/12-2,5-F	19 89 84 5	50
	13	30	PTSA 0,5/13-2,5-F	19 89 85 8	50
	14	32.5	PTSA 0,5/14-2,5-F	19 89 86 1	50
	15	35	PTSA 0,5/15-2,5-F	19 89 87 4	50
	16	37.5	PTSA 0,5/16-2,5-F	19 89 88 7	50
	17	40	PTSA 0,5/17-2,5-F	19 89 89 0	50
	18	42.5	PTSA 0,5/18-2,5-F	19 89 90 0	50
	19	45	PTSA 0,5/19-2,5-F	19 89 91 3	50
	20	47.5	PTSA 0,5/20-2,5-F	19 89 92 6	50
	21	50	PTSA 0,5/21-2,5-F	19 89 93 9	50
	22	52.5	PTSA 0,5/22-2,5-F	19 89 94 2	50
	23	55	PTSA 0,5/23-2,5-F	19 89 95 5	50
	24	57.5	PTSA 0,5/24-2,5-F	19 89 99 7	50
Technical data					
Dimensions			see description		
Pitch			2.5		
Hole diameter			1		
Pin dimensions			0.4 x 0.75		
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			63 250 250		
Rated surge voltage			2.5 2.5 2.5		
Nominal current / cross section			2 / 0.5		
Maximum load current / cross section			2 / 0.5		
Connection capacity					
Solid / stranded / conductor sizes			0.14 - 0.5 / 0.2 - 0.5 / 24 - 20		
Stranded with ferrule without / with plastic sleeve			—		
Stripping length			8		
Insulating material					
Inflammability class in acc. with UL 94			PA		
Approval data (UL/CUL and CSA)					
Nominal voltage / current / conductor sizes			UL/CUL: [V]/[A]/AWG		
			CSA: [V]/[A]/AWG		



PCB Termination Blocks PTSA 1,5/...-3,5-Z 3.5 mm Pitch

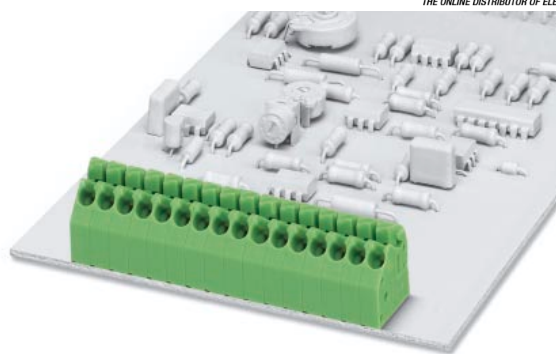


Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
PCB termination blocks, offset pins, 3.5 mm pitch, color: green					
	2	3.5	PTSA 1,5/2-3,5-Z	19 85 19 5	250
	3	7	PTSA 1,5/3-3,5-Z	19 85 20 5	250
	4	10.5	PTSA 1,5/4-3,5-Z	19 85 21 8	250
	5	14	PTSA 1,5/5-3,5-Z	19 85 22 1	100
	6	17.5	PTSA 1,5/6-3,5-Z	19 85 23 4	100
	7	21	PTSA 1,5/7-3,5-Z	19 85 24 7	100
	8	24.5	PTSA 1,5/8-3,5-Z	19 85 25 0	100
	9	28	PTSA 1,5/9-3,5-Z	19 85 26 3	100
	10	31.5	PTSA 1,5/10-3,5-Z	19 85 27 6	100
	11	35	PTSA 1,5/11-3,5-Z	19 85 28 9	50
	12	38.5	PTSA 1,5/12-3,5-Z	19 85 29 2	50
	13	42	PTSA 1,5/13-3,5-Z	19 85 30 2	50
	14	45.5	PTSA 1,5/14-3,5-Z	19 85 31 5	50
	15	49	PTSA 1,5/15-3,5-Z	19 85 32 8	50
	16	52.5	PTSA 1,5/16-3,5-Z	19 85 33 1	50
	17	56	PTSA 1,5/17-3,5-Z	19 85 34 4	50
	18	59.5	PTSA 1,5/18-3,5-Z	19 85 35 7	50
	19	63	PTSA 1,5/19-3,5-Z	19 85 36 0	50
	20	66.5	PTSA 1,5/20-3,5-Z	19 85 37 3	50
	21	70	PTSA 1,5/21-3,5-Z	19 85 38 6	50
	22	73.5	PTSA 1,5/22-3,5-Z	19 85 39 9	50
	23	77	PTSA 1,5/23-3,5-Z	19 85 40 9	50
	24	80.5	PTSA 1,5/24-3,5-Z	19 85 41 2	50
Technical data					
Dimensions			see description		
Pitch		[mm]	3.5		
Hole diameter		[mm]	1		
Pin dimensions		[mm]x[mm]	0.4 x 0.,75		
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]	250	400	630
Rated surge voltage		[kV]	4	4	4
Nominal current / cross section		[A]/[mm²]	2 / 1.5		
Maximum load current / cross section		[A]/[mm²]	2 / 1.5		
Connection capacity					
Solid / stranded / conductor sizes		[mm²]/[mm²]/AWG	0.5 - 1.5 / 0.5 - 1.5 / 20 - 16		
Stranded with ferrule without / with plastic sleeve		[mm²]	0.5 - 1.0 / 0.5		
Stripping length			8		
Insulating material			PA		
Inflammability class in acc. with UL 94			V2		
Approval data (UL/CUL and CSA)					
Nominal voltage / current / conductor sizes		UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG	300 / 2 / 24 - 16		

Zick-zack-pinning begins at the right position.
Other pinning options upon request.



PCB Termination Blocks PTSA 1,5/...-3,5-F 3.5 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
PCB termination blocks, pins at the front, 3.5 mm pitch, color: green					
	2	3.5	PTSA 1,5/2-3,5-F	19 84 96 3	250
	3	7	PTSA 1,5/3-3,5-F	19 94 97 6	250
	4	10.5	PTSA 1,5/4-3,5-F	19 84 98 9	250
	5	14	PTSA 1,5/5-3,5-F	19 84 99 2	100
	6	17.5	PTSA 1,5/6-3,5-F	19 85 00 1	100
	7	21	PTSA 1,5/7-3,5-F	19 85 01 4	100
	8	24.5	PTSA 1,5/8-3,5-F	19 85 02 7	100
	9	28	PTSA 1,5/9-3,5-F	19 85 03 0	100
	10	31.5	PTSA 1,5/10-3,5-F	19 85 04 3	100
	11	35	PTSA 1,5/11-3,5-F	19 85 05 6	50
	12	38.5	PTSA 1,5/12-3,5-F	19 85 06 9	50
	13	42	PTSA 1,5/13-3,5-F	19 85 07 2	50
	14	45.5	PTSA 1,5/14-3,5-F	19 85 08 5	50
	15	49	PTSA 1,5/15-3,5-F	19 85 09 8	50
	16	52.5	PTSA 1,5/16-3,5-F	19 85 10 8	50
	17	56	PTSA 1,5/17-3,5-F	19 85 11 1	50
	18	59.5	PTSA 1,5/18-3,5-F	19 85 12 4	50
	19	63	PTSA 1,5/19-3,5-F	19 85 13 7	50
	20	66.5	PTSA 1,5/20-3,5-F	19 85 14 0	50
	21	70	PTSA 1,5/21-3,5-F	19 85 15 3	50
	22	73.5	PTSA 1,5/22-3,5-F	19 85 16 6	50
	23	77	PTSA 1,5/23-3,5-F	19 85 17 9	50
	24	80.5	PTSA 1,5/24-3,5-F	19 85 18 2	50

Technical data

Dimensions	
Pitch	[mm]
Hole diameter	[mm]
Pin dimensions	[mm]x[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]

Stripping length

	[mm]
--	------

Insulating material

Inflammability class in acc. with UL 94

Approval data (UL/CUL and CSA)

Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG
---	---

see description

3.5

1

0.4 x 0.75

	I	
III / 3	III / 2	II / 2
200	200	400
4	4	4
	2 / 1.5	
	2 / 1.5	

0.5 - 1.5 / 0.5 - 1.5 / 20 - 16

0.5 - 1.0 / 0.5

8

PA

V2

300 / 2 / 24 - 16

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