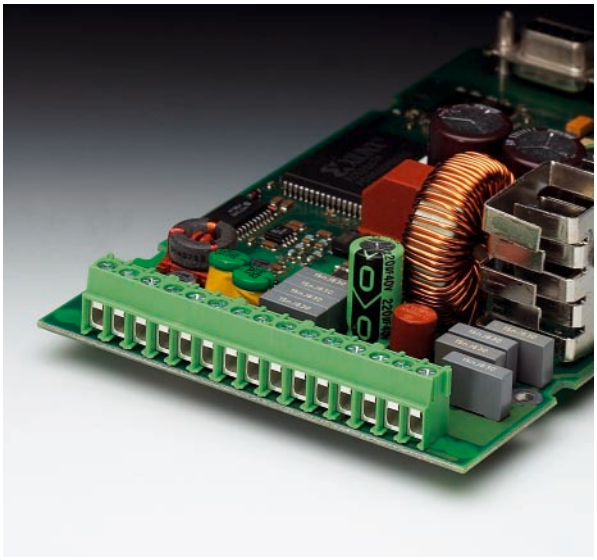
COMBICON compact
Printed Circuit Screw Termination Blocks
PT 2,5/... with a 5.0 and 7.5 mm Pitch

The new PCB terminal blocks PT 2,5/...-5,0 are characterized by the proven screw connection with highly flexible conductor protection and the extremely generous clamping space. Solid and stranded conductors up to 4 mm^2 can be connected.
Thanks to its compact external dimensions, the PT 2,5/...-5,0 is particularly suitable for building automation and telecommunications applications where space is critical.
The PT 2,5/... is also available with a 7.5 mm pitch.
Customized labeling of the terminal blocks 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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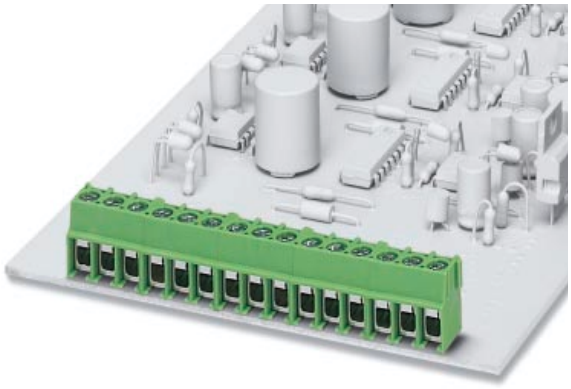
Printed Circuit Screw Termination Blocks PT 2,5/…-5,0-H 5.0 mm Pitch

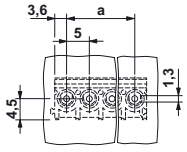


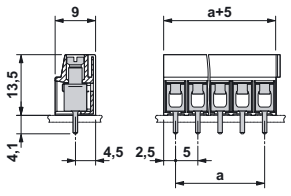
Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 5 mm pitch, color: green, connection direction horizontal to the PCB	2	5	**PT 2,5/2-5,0-H**	**19 35 77 6**	250
	3	10	**PT 2,5/3-5,0-H**	**19 35 78 9**	250
	4	15	**PT 2,5/4-5,0-H**	**19 35 79 2**	250
	5	20	**PT 2,5/5-5,0-H**	**19 35 80 2**	100
	6	25	**PT 2,5/6-5,0-H**	**19 35 81 5**	100
	7	30	**PT 2,5/7-5,0-H**	**19 35 82 8**	100
	8	35	**PT 2,5/8-5,0-H**	**19 35 83 1**	100
	9	40	**PT 2,5/9-5,0-H**	**19 35 84 4**	100
	10	45	**PT 2,5/10-5,0-H**	**19 35 85 7**	100
	11	50	**PT 2,5/11-5,0-H**	**19 35 86 0**	50
	12	55	**PT 2,5/12-5,0-H**	**19 35 87 3**	50
	13	60	**PT 2,5/13-5,0-H**	**19 35 88 6**	50
	14	65	**PT 2,5/14-5,0-H**	**19 35 89 9**	50
	15	70	**PT 2,5/15-5,0-H**	**19 35 90 9**	50
	16	75	**PT 2,5/16-5,0-H**	**19 35 91 2**	50
(1) **Screwdriver**			**SZS 0,6 x 3,5**	**12 05 05 3**	10
			SZK PH 1	**12 05 15 0**	10

Technical data					
Dimensions		see description			
Pitch	[mm]	5.0			
Hole diameter	[mm]	1.3			
Pin dimensions	[mm]x[mm]	∅ 1.0			
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	320	630	
Rated surge voltage	[kV]	4	4	4	
Nominal current / cross section	[A]/[mm²]	24 / 2.5			
Maximum load current / cross section	[A]/[mm²]	32 / 4.0			
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.5 - 6[1]) / 0.5 - 4 / 20- 10			
Stranded with ferrule without / with plastic sleeve	[mm²]	0.5 - 2.5 / 0.5 - 2.5			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.5 - 1.5 / 0.5 - 1.5			
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 0.75[2])			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1.5[2])			
Stripping length	[mm]	6.5			
Internal cylindrical gauge (IEC 60 947-1)	–	A 3 / B 3			
Thread	–	M 3			
Torque	[Nm]	0.5			
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]/AWG	300 / 20 / 20 - 12			
	CSA: [V]/[A]/AWG	—			

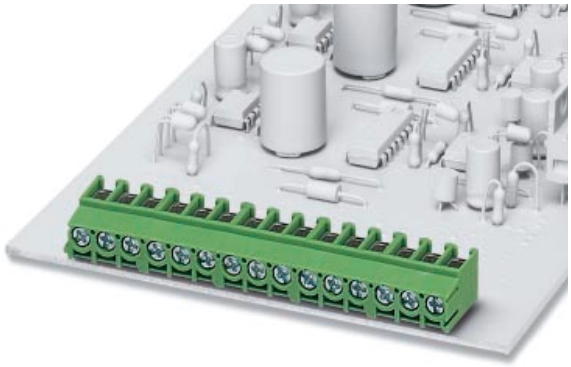
[1]) When conductors with cross sections over 4 mm² are connected, appropriate measures must be taken in order to protect the soldered connection and the PCB against mechanical stresses caused by connected conductors.

[2]) When using ferrules, 250 V can only be achieved in connection with surge voltage category / contamination class II / 2.





Printed Circuit Screw Termination Blocks PT 2,5/…-5,0-V 5.0 mm Pitch

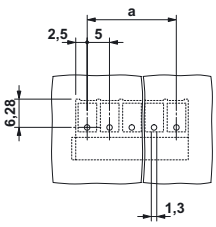


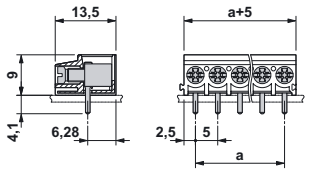
Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 5 mm pitch, color: green, connection direction vertical to the PCB	2	5	**PT 2,5/2-5,0-V**	**19 87 72 4**	250
	3	10	**PT 2,5/3-5,0-V**	**19 87 73 7**	250
	4	15	**PT 2,5/4-5,0-V**	**19 87 74 0**	250
	5	20	**PT 2,5/5-5,0-V**	**19 87 75 3**	100
	6	25	**PT 2,5/6-5,0-V**	**19 87 76 6**	100
	7	30	**PT 2,5/7-5,0-V**	**19 87 77 9**	100
	8	35	**PT 2,5/8-5,0-V**	**19 87 78 2**	100
	9	40	**PT 2,5/9-5,0-V**	**19 87 79 5**	100
	10	45	**PT 2,5/10-5,0-V**	**19 87 80 5**	100
	11	50	**PT 2,5/11-5,0-V**	**19 87 81 8**	50
	12	55	**PT 2,5/12-5,0-V**	**19 87 82 1**	50
	13	60	**PT 2,5/13-5,0-V**	**19 87 83 4**	50
	14	65	**PT 2,5/14-5,0-V**	**19 87 84 7**	50
	15	70	**PT 2,5/15-5,0-V**	**19 87 85 0**	50
	16	75	**PT 2,5/16-5,0-V**	**19 87 86 3**	50
(1) **Screwdriver,**			**SZS 0,6 x 3,5**	**12 05 05 3**	10
			SZK PH 1	**12 05 15 0**	10

Technical data					
Dimensions		see description			
Pitch	[mm]	5.0			
Hole diameter	[mm]	1.3			
Pin dimensions	[mm]x[mm]	∅ 1.0			
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	320	630	
Rated surge voltage	[kV]	4	4	4	
Nominal current / cross section	[A]/[mm²]	24 / 2.5			
Maximum load current / cross section	[A]/[mm²]	32 / 4.0			
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.5 - 6[1]) / 0.5 - 4 / 20- 10			
Stranded with ferrule without / with plastic sleeve	[mm²]	0.5 - 2.5 / 0.5 - 2.5			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.5 - 1.5 / 0.5 - 1.5			
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 0.75[2])			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1.5[2])			
Stripping length	[mm]	6.5			
Internal cylindrical gauge (IEC 60 947-1)	–	A 3 / B 3			
Thread	–	M 3			
Torque	[Nm]	0.5			
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]/AWG	300 / 20 / 20 - 12			
	CSA: [V]/[A]/AWG	—			

[1]) When conductors with cross sections over 4 mm² are connected, appropriate measures must be taken in order to protect the soldered connection and the PCB against mechanical stresses caused by connected conductors.

[2]) When using ferrules, 250 V can only be achieved in connection with surge voltage category / contamination class II / 2.





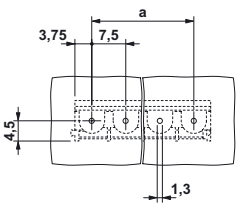
Printed Circuit Screw Termination Blocks PT 2,5/…-7,5-H 7.5 mm Pitch

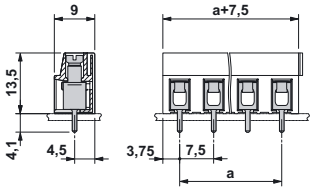
Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 7.5 mm pitch, color: green, connection direction horizontal to the PCB	2	7.5	**PT 2,5/2-7,5-H**	**1988105**	250
	3	15	**PT 2,5/3-7,5-H**	**1988118**	250
	4	22.5	**PT 2,5/4-7,5-H**	**1988121**	250
	5	30	**PT 2,5/5-7,5-H**	**1988134**	100
	6	37.5	**PT 2,5/6-7,5-H**	**1988147**	100
	7	45	**PT 2,5/7-7,5-H**	**1988150**	100
	8	52.5	**PT 2,5/8-7,5-H**	**1988163**	100
	9	60	**PT 2,5/9-7,5-H**	**1988176**	100
	10	67.5	**PT 2,5/10-7,5-H**	**1988189**	100
	11	75	**PT 2,5/11-7,5-H**	**1988192**	50
	12	82.5	**PT 2,5/12-7,5-H**	**1988202**	50
(1) **Screwdriver**			**SZS 0,6 x 3,5**	**12 05 05 3**	10
			SZK PH 1	**12 05 15 0**	10

Technical data					
Dimensions		see description			
Pitch	[mm]	7.5			
Hole diameter	[mm]	1.3			
Pin dimensions	[mm]x[mm]	∅ 1.0			
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]	500	800	1000	
Rated surge voltage	[kV]	6	6	6	
Nominal current / cross section	[A]/[mm²]	24 / 2.5			
Maximum load current / cross section	[A]/[mm²]	32 / 4.0			
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.5 - 6[1]) / 0.5 - 4 / 20- 10			
Stranded with ferrule without / with plastic sleeve	[mm²]	0.5 - 2.5 / 0.5 - 2.5			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.5 - 1.5 / 0.5 - 1.5			
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 0.75[2])			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1.5[2])			
Stripping length	[mm]	6.5			
Internal cylindrical gauge (IEC 60 947-1)	–	A 3 / B 3			
Thread	–	M 3			
Torque	[Nm]	0.5			
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]/AWG	—			
	CSA: [V]/[A]/AWG	—			

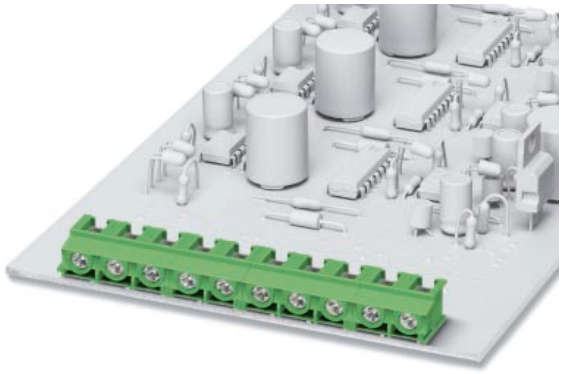
[1]) When conductors with cross sections over 4 mm² are connected, appropriate measures must be taken in order to protect the soldered connection and the PCB against mechanical stresses caused by connected conductors.

[2]) When using ferrules, 500 V can only be achieved in connection with surge voltage category / contamination class II / 2.





Printed Circuit Screw Termination Blocks PT 2,5/…-7,5-V 7.5 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 7.5 mm pitch, color: green, connection direction vertical to the PCB	2	7.5	**PT 2,5/2-7,5-V**	**1987957**	250
	3	15	**PT 2,5/3-7,5-V**	**1987960**	250
	4	22.5	**PT 2,5/4-7,5-V**	**1987973**	250
	5	30	**PT 2,5/5-7,5-V**	**1987986**	100
	6	37.5	**PT 2,5/6-7,5-V**	**1987999**	100
	7	45	**PT 2,5/7-7,5-V**	**1988008**	100
	8	52.5	**PT 2,5/8-7,5-V**	**1988011**	100
	9	60	**PT 2,5/9-7,5-V**	**1988024**	100
	10	67.5	**PT 2,5/10-7,5-V**	**1988037**	100
	11	75	**PT 2,5/11-7,5-V**	**1988040**	50
	12	82.5	**PT 2,5/12-7,5-V**	**1988053**	50
(1) **Screwdriver**			**SZS 0,6 x 3,5**	**12 05 05 3**	10
			SZK PH 1	**12 05 15 0**	10

Technical data					
Dimensions		see description			
Pitch	[mm]	7.5			
Hole diameter	[mm]	1.3			
Pin dimensions	[mm]x[mm]	∅ 1.0			
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]	500	800	1000	
Rated surge voltage	[kV]	6	6	6	
Nominal current / cross section	[A]/[mm²]	24 / 2.5			
Maximum load current / cross section	[A]/[mm²]	32 / 4.0			
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.5 - 6[1]) / 0.5 - 4 / 20- 10			
Stranded with ferrule without / with plastic sleeve	[mm²]	0.5 - 2.5 / 0.5 - 2.5			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.5 - 1.5 / 0.5 - 1.5			
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 0.75[2])			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1.5[2])			
Stripping length	[mm]	6.5			
Internal cylindrical gauge (IEC 60 947-1)	–	A 3 / B 3			
Thread	–	M 3			
Torque	[Nm]	0.5			
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]/AWG	—			
	CSA: [V]/[A]/AWG	—			

[1]) When conductors with cross sections over 4 mm² are connected, appropriate measures must be taken in order to protect the soldered connection and the PCB against mechanical stresses caused by connected conductors.

[2]) When using ferrules, 500 V can only be achieved in connection with surge voltage category / contamination class II / 2.