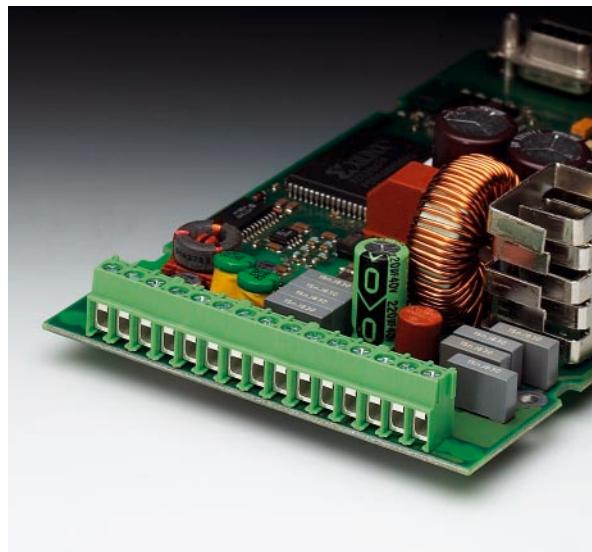


COMBICON compact Printed Circuit Screw Termination Blocks PT 2,5/... with a 5.0 and 7.5 mm Pitch

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 mm² 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.



COMBICON Select

The COMBICON search engine with CAD downloading

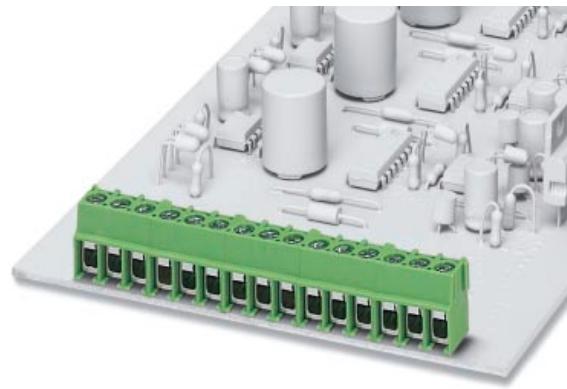


COMBICON Select – the printed circuit board connection software supports your workflow from the PCB and housing layout to the ordering process with:

- Systematic and fast selection of products
- Universal Internet aided engineering with extensive CAD downloading
- Easy-to-use e-shopping functions.

select.phoenixcontact.com/combicon

Printed Circuit Screw Termination Blocks PT 2,5/...-5,0-H 5.0 mm Pitch



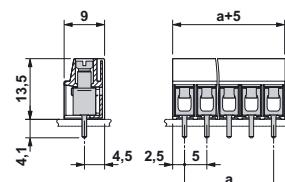
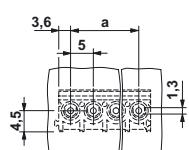
Description	No. of pos.	Dim. [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 5 mm pitch, color: green, connection direction horizontal to the PCB	2	5	PT 2,5/2-5,0-H	19 35 77 6	250
	3	10	PT 2,5/3-5,0-H	19 35 78 9	250
	4	15	PT 2,5/4-5,0-H	19 35 79 2	250
	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

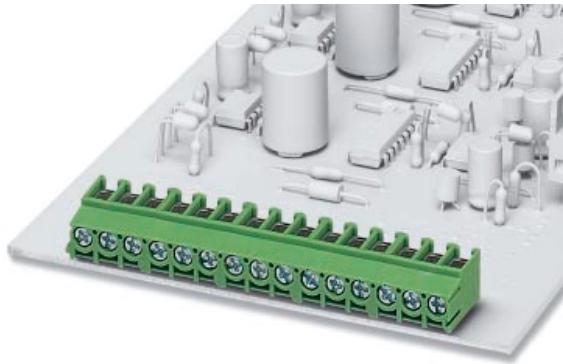
Dimensions	see description		
Pitch		5.0	
Hole diameter		1.3	
Pin dimensions	[mm]x[mm]	Ø 1.0	
Technical data in accordance with IEC/ DIN VDE			
Insulating material group	—	I	
Surge voltage category / contamination class	—/—	III / 3	III / 2
Rated voltage	[V]	250	320
Rated surge voltage	[kV]	4	4
Nominal current / cross section	[A]/[mm ²]	24 / 2.5	
Maximum load current / cross section	[A]/[mm ²]	32 / 4.0	
Connection capacity			
Solid / stranded / conductor sizes	[mm ²]/[mm ²]/AWG	0.5 - 6 ¹⁾ / 0.5 - 4 / 20- 10	
Stranded with ferrule without / with plastic sleeve	[mm ²]	0.5 - 2.5 / 0.5 - 2.5	
Multiple connection (2 conductors with same cross section)			
Solid / stranded	[mm ²]	0.5 - 1.5 / 0.5 - 1.5	
Stranded with ferrule without plastic sleeve	[mm ²]	0.25 - 0.75 ²⁾	
Stranded with TWIN ferrule with plastic sleeve	[mm ²]	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			
Inflammability class in acc. with UL 94		PA	
Approval data (UL/CUL and CSA)		V0	
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG	300 / 20 / 20 - 12	

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



Technical data

Dimensions		see description
Pitch	[mm]	5.0
Hole diameter	[mm]	1.3
Pin dimensions	[mm]x[mm]	Ø 1.0

Technical data in accordance with IEC/ DIN VDE

Insulating material group	–	I	
Surge voltage category / contamination class	–/–	III / 3	III / 2
Rated voltage	[V]	250	320
Rated surge voltage	[kV]	4	4
Nominal current / cross section	[A]/[mm ²]	24 / 2.5	
Maximum load current / cross section	[A]/[mm ²]	32 / 4.0	

Connection capacity

Solid / stranded / conductor sizes	[mm ²]/[mm ²]/AWG	0.5 - 6 ¹⁾ / 0.5 - 4 / 20- 10
Stranded with ferrule without / with plastic sleeve	[mm ²]	0.5 - 2.5 / 0.5 - 2.5

Multiple connection (2 conductors with same cross section)

Solid / stranded	[mm ²]	0.5 - 1.5 / 0.5 - 1.5
Stranded with ferrule without plastic sleeve	[mm ²]	0.25 - 0.75 ²⁾
Stranded with TWIN ferrule with plastic sleeve	[mm ²]	0.5 - 1.5 ²⁾
Stripping length	[mm]	6.5

Internal cylindrical

Thread M 3

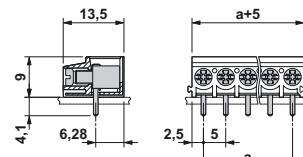
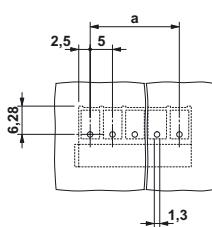
Torque

Insulating material
Inflammability class in acc. with UL 94: PA
V0

Inflammability class

Approval data (UL/CUL and CSA) Nominal voltage / current / conductor sizes UL/CUL : [V]/[A]/AWG 300 / 20 / 20 - 12

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.



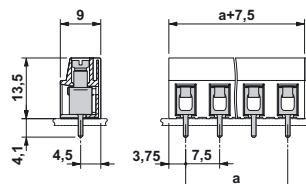
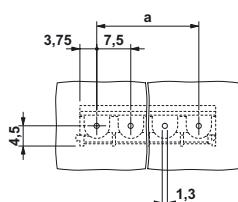
**Printed Circuit
Screw Termination Blocks
PT 2,5/...-7,5-H
7.5 mm Pitch**



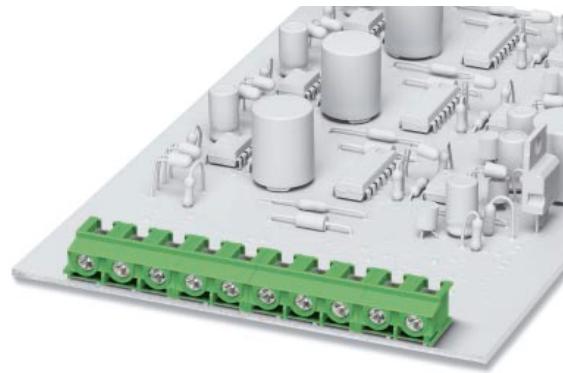
Description	No. of pos.	Dim. [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 7.5 mm pitch, color: green, connection direction horizontal to the PCB					
	2	7.5	PT 2,5/2-7,5-H	1988105	250
	3	15	PT 2,5/3-7,5-H	1988118	250
	4	22.5	PT 2,5/4-7,5-H	1988121	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					
Technical data					
Dimensions			see description		
Pitch		[mm]	7.5		
Hole diameter		[mm]	1.3		
Pin dimensions		[mm]x[mm]	Ø 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]/[mm ²]	24 / 2.5		
Maximum load current / cross section		[A]/[mm ²]	32 / 4.0		
Connection capacity					
Solid / stranded / conductor sizes		[mm ²]/[mm ²]/AWG	0.5 - 6 ¹⁾ / 0.5 - 4 / 20- 10		
Stranded with ferrule without / with plastic sleeve		[mm ²]	0.5 - 2.5 / 0.5 - 2.5		
Multiple connection (2 conductors with same cross section)					
Solid / stranded		[mm ²]	0.5 - 1.5 / 0.5 - 1.5		
Stranded with ferrule without plastic sleeve		[mm ²]	0.25 - 0.75 ²⁾		
Stranded with TWIN ferrule with plastic sleeve		[mm ²]	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. [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					
Technical data					
Dimensions				see description	
Pitch		[mm]		7.5	
Hole diameter		[mm]		1.3	
Pin dimensions		[mm]x[mm]		Ø 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]/[mm ²]		24 / 2.5	
Maximum load current / cross section		[A]/[mm ²]		32 / 4.0	
Connection capacity					
Solid / stranded / conductor sizes		[mm ²]/[mm ²]/AWG		0.5 - 6 ¹⁾ / 0.5 - 4 / 20- 10	
Stranded with ferrule without / with plastic sleeve		[mm ²]		0.5 - 2.5 / 0.5 - 2.5	
Multiple connection (2 conductors with same cross section)					
Solid / stranded		[mm ²]		0.5 - 1.5 / 0.5 - 1.5	
Stranded with ferrule without plastic sleeve		[mm ²]		0.25 - 0.75 ²⁾	
Stranded with TWIN ferrule with plastic sleeve		[mm ²]		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.

