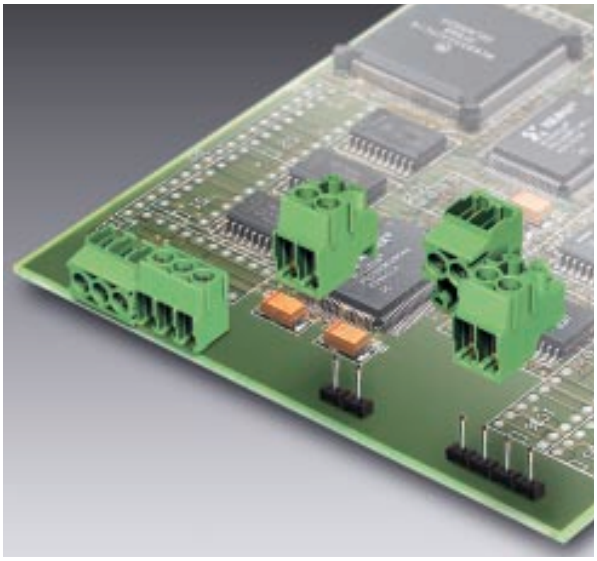
COMBICON compact
Screw Compact Terminal Blocks
PT(A) 1,5/… with a 3.5 mm Pitch

The terminal blocks of the new PT series have the proven screw connection and highly flexible conductor protection. The practical and compact outer dimensions and the generous clamping space make them particularly versatile.
With the 3.5 mm pitch, the PT 1,5 is not only available as a PCB terminal block but also as plug-in version.
The plugs of the PT 1,5 family can be plugged on the PST 1,0-3,5 pin strip which is also available and reflow-solderable.
The PT 1,5-PH-3,5 can only be plugged in horizontally, but its extremely compact dimensions permit the use of a plug-in solution, even under conditions in which space is critical.
In contrast, the two integrated plug-in directions of the PT 1,5-PVH-3,5 offer maximum flexibility for the end user and reduce inventory and handling by 50 %. In addition, this plug type can also be coded if desired.
Customized labeling of all versions is possible.



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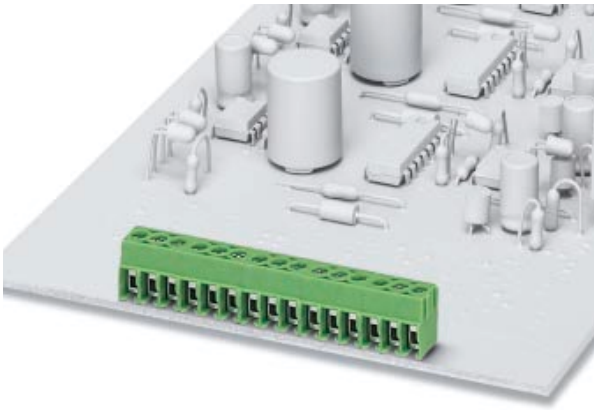
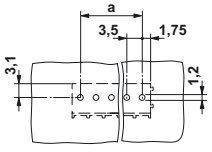
Printed Circuit Screw Termination Blocks PT 1,5/…-3,5-H 3.5 mm Pitch

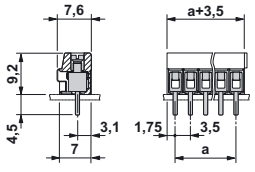


Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 3.5 mm pitch, color: green	2	3.5	**PT 1,5/2-3,5-H**	**19 84 61 7**	250
	3	7	**PT 1,5/3-3,5-H**	**19 84 62 0**	250
	4	10.5	**PT 1,5/4-3,5-H**	**19 84 63 3**	250
	5	14	**PT 1,5/5-3,5-H**	**19 84 64 6**	100
	6	17.5	**PT 1,5/6-3,5-H**	**19 84 65 9**	100
	7	21	**PT 1,5/7-3,5-H**	**19 84 66 2**	100
	8	24.5	**PT 1,5/8-3,5-H**	**19 84 67 5**	100
	9	28	**PT 1,5/9-3,5-H**	**19 84 68 8**	100
	10	31.5	**PT 1,5/10-3,5-H**	**19 84 69 1**	100
	11	35	**PT 1,5/11-3,5-H**	**19 84 70 1**	50
	12	38.5	**PT 1,5/12-3,5-H**	**19 84 71 4**	50
	13	42	**PT 1,5/13-3,5-H**	**19 84 72 7**	50
	14	45.5	**PT 1,5/14-3,5-H**	**19 84 73 0**	50
	15	49	**PT 1,5/15-3,5-H**	**19 84 74 3**	50
	16	52.5	**PT 1,5/16-3,5-H**	**19 84 75 6**	50
(1) **Screwdriver**			**SZS 0,4 x 2,5**	**12 05 03 7**	10

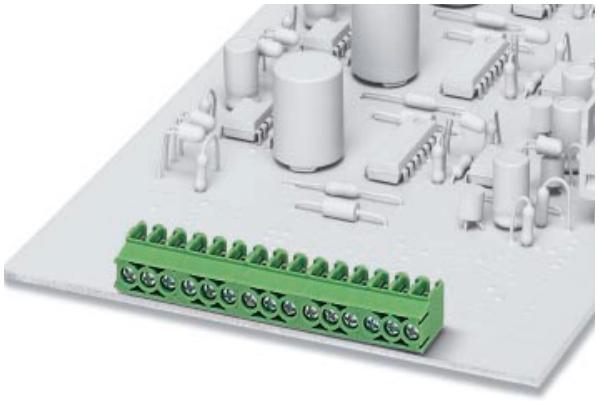
Technical data					
Dimensions		see description			
Pitch	[mm]	3.5			
Hole diameter	[mm]	1.2			
Pin dimensions	[mm]x[mm]	∅ 0.9			
Technical data in accordance with IEC/ DIN VDE					
Insulating material group	–	I			
Surge voltage category / contamination class	–/–	III / 3	III / 2	II / 2	
Rated voltage	[V]	160	200	400	
Rated surge voltage	[kV]	2.5	2.5	2.5	
Nominal current / cross section	[A]/[mm²]	17.5 / 1.5			
Maximum load current / cross section	[A]/[mm²]	17.5 / 1.5			
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.2 - 1.5 / 0.2 - 1.5 / 26 - 16			
Stranded with ferrule without / with plastic sleeve	[mm²]	– / 0.75[1])			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.2 - 0.34 / 0.2 - 0.5			
Stranded with ferrule without plastic sleeve	[mm²]	–			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	–			
Stripping length	[mm]	5			
Internal cylindrical gauge (IEC 60 947-1)	–	–			
Thread	–	M 2			
Torque	[Nm]	0.25			
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 / 10 / 26 - 16			
	CSA: [V]/[A]/AWG	—			

[1]) When using ferrules with a plastic sleeve, 125 V max. can be achieved in connection with surge voltage category / contamination class II/2.





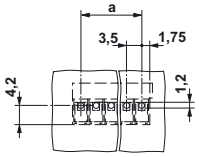
Printed Circuit Screw Termination Blocks PT 1,5/…-3,5-V 3.5 mm Pitch

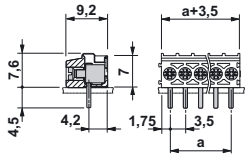


Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 3.5 mm pitch, color: green	2	3.5	**PT 1,5/2-3,5-V**	**19 84 76 9**	250
	3	7	**PT 1,5/3-3,5-V**	**19 84 77 2**	250
	4	10.5	**PT 1,5/4-3,5-V**	**19 84 78 5**	250
	5	14	**PT 1,5/5-3,5-V**	**19 84 79 8**	100
	6	17.5	**PT 1,5/6-3,5-V**	**19 84 80 8**	100
	7	21	**PT 1,5/7-3,5-V**	**19 84 81 1**	100
	8	24.5	**PT 1,5/8-3,5-V**	**19 84 82 4**	100
	9	28	**PT 1,5/9-3,5-V**	**19 84 83 7**	100
	10	31.5	**PT 1,5/10-3,5-V**	**19 84 84 0**	100
	11	35	**PT 1,5/11-3,5-V**	**19 84 85 3**	50
	12	38.5	**PT 1,5/12-3,5-V**	**19 84 86 6**	50
	13	42	**PT 1,5/13-3,5-V**	**19 84 87 9**	50
	14	45.5	**PT 1,5/14-3,5-V**	**19 84 88 2**	50
	15	49	**PT 1,5/15-3,5-V**	**19 84 89 5**	50
	16	52.5	**PT 1,5/16-3,5-V**	**19 84 90 5**	50
(1) **Screwdriver**			**SZS 0,4 x 2,5**	**12 05 03 7**	10

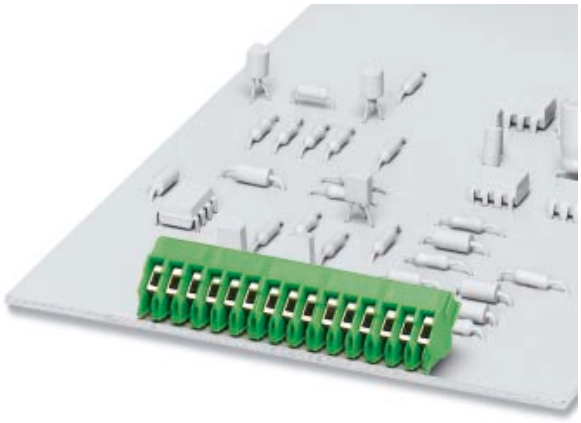
Technical data					
Dimensions		see description			
Pitch	[mm]	3.5			
Hole diameter	[mm]	1.2			
Pin dimensions	[mm]x[mm]	∅ 0.9			
Technical data in accordance with IEC/ DIN VDE					
Insulating material group	–	I			
Surge voltage category / contamination class	–/–	III / 3	III / 2	II / 2	
Rated voltage	[V]	160	200	400	
Rated surge voltage	[kV]	2.5	2.5	2.5	
Nominal current / cross section	[A]/[mm²]	17.5 / 1.5			
Maximum load current / cross section	[A]/[mm²]	17.5 / 1.5			
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.2 - 1.5 / 0.2 - 1.5 / 26 - 16			
Stranded with ferrule without / with plastic sleeve	[mm²]	– / 0.75[1])			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.2 - 0.34 / 0.2 - 0.5			
Stranded with ferrule without plastic sleeve	[mm²]	–			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	–			
Stripping length	[mm]	5			
Internal cylindrical gauge (IEC 60 947-1)	–	–			
Thread	–	M 2			
Torque	[Nm]	0.25			
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 / 10 / 26 - 16			
	CSA: [V]/[A]/AWG	—			

[1]) When using ferrules with a plastic sleeve, 125 V max. can be achieved in connection with surge voltage category / contamination class II/2.





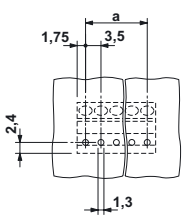
Printed Circuit Screw Termination Blocks PTA 1,5/…-3,5 3.5 mm Pitch

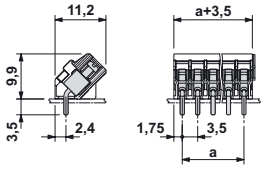


Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 3.5 mm pitch, color: green	2	3.5	**PTA 1,5/2-3,5**	**19 88 95 6**	250
	3	7	**PTA 1,5/3-3,5**	**19 88 96 9**	250
	4	10.5	**PTA 1,5/4-3,5**	**19 88 97 2**	250
	5	14	**PTA 1,5/5-3,5**	**19 88 98 5**	100
	6	17.5	**PTA 1,5/6-3,5**	**19 88 99 8**	100
	7	21	**PTA 1,5/7-3,5**	**19 89 00 7**	100
	8	24.5	**PTA 1,5/8-3,5**	**19 89 01 0**	100
	9	28	**PTA 1,5/9-3,5**	**19 89 02 3**	100
	10	31.5	**PTA 1,5/10-3,5**	**19 89 03 6**	100
	11	35	**PTA 1,5/11-3,5**	**19 89 04 9**	50
	12	38.5	**PTA 1,5/12-3,5**	**19 89 05 2**	50
	13	42	**PTA 1,5/13-3,5**	**19 89 06 5**	50
	14	45.5	**PTA 1,5/14-3,5**	**19 89 07 8**	50
	15	49	**PTA 1,5/15-3,5**	**19 89 08 1**	50
	16	52.5	**PTA 1,5/16-3,5**	**19 89 09 4**	50
(1) **Screwdriver**			**SZS 0,4 x 2,5**	**12 05 03 7**	10

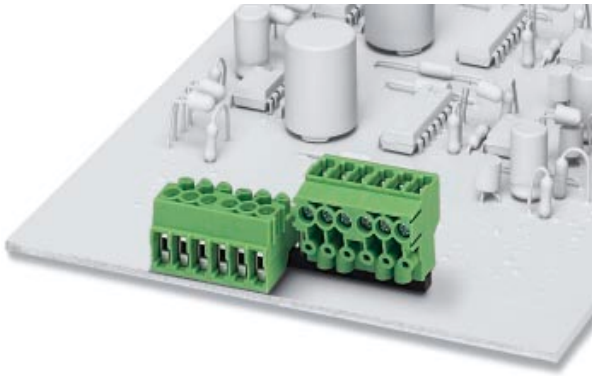
Technical data					
Dimensions		see description			
Pitch	[mm]	3.5			
Hole diameter	[mm]	1.2			
Pin dimensions	[mm]x[mm]	∅ 0.9			
Technical data in accordance with IEC/ DIN VDE					
Insulating material group	–	I			
Surge voltage category / contamination class	–/–	III / 3	III / 2	II / 2	
Rated voltage	[V]	160	200	400	
Rated surge voltage	[kV]	2.5	2.5	2.5	
Nominal current / cross section	[A]/[mm²]	17.5 / 1.5			
Maximum load current / cross section	[A]/[mm²]	17.5 / 1.5			
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.2 - 1.5 / 0.2 - 1.5 / 26 - 16			
Stranded with ferrule without / with plastic sleeve	[mm²]	– / 0.75[1])			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.2 - 0.34 / 0.2 - 0.5			
Stranded with ferrule without plastic sleeve	[mm²]	–			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	–			
Stripping length	[mm]	5			
Internal cylindrical gauge (IEC 60 947-1)	–	–			
Thread	–	M 2			
Torque	[Nm]	0.25			
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 using ferrules with a plastic sleeve, 125 V max. can be achieved in connection with surge voltage category / contamination class II/2.





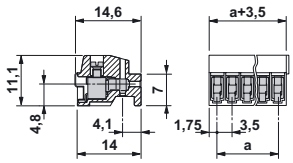
Pluggable Screw Termination Blocks
PT 1,5/…-PVH-3,5
3.5 mm Pitch



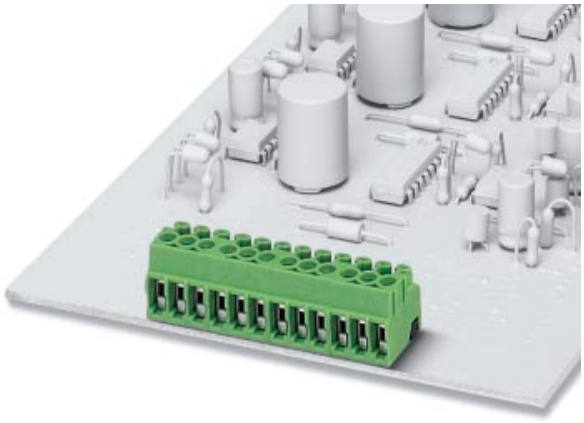
Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Printed circuit screw termination blocks with housing interlocking, 3.5 mm pitch, color: green	2	3.5	**PT 1,5/2-PVH-3,5**	**19 84 01 5**	250
	3	7	**PT 1,5/3-PVH-3,5**	**19 84 02 8**	250
	4	10.5	**PT 1,5/4-PVH-3,5**	**19 84 03 1**	250
	5	14	**PT 1,5/5-PVH-3,5**	**19 84 04 4**	100
	6	17.5	**PT 1,5/6-PVH-3,5**	**19 84 05 7**	100
	7	21	**PT 1,5/7-PVH-3,5**	**19 84 06 0**	100
	8	24.5	**PT 1,5/8-PVH-3,5**	**19 84 07 3**	100
	9	28	**PT 1,5/9-PVH-3,5**	**19 84 08 6**	100
	10	31.5	**PT 1,5/10-PVH-3,5**	**19 84 09 9**	100
	11	35	**PT 1,5/11-PVH-3,5**	**19 84 10 9**	50
	12	38.5	**PT 1,5/12-PVH-3,5**	**19 84 11 2**	50
	13	42	**PT 1,5/13-PVH-3,5**	**19 84 12 5**	50
	14	45.5	**PT 1,5/14-PVH-3,5**	**19 84 13 8**	50
	15	49	**PT 1,5/15-PVH-3,5**	**19 84 14 1**	50
	16	52.5	**PT 1,5/16-PVH-3,5**	**19 84 15 4**	50
(1) **Coding profile**, is inserted into the hole on the plug, insulating material: red			**CP-PT 1,5**	**19 85 56 4**	100
(2) **Screwdriver** 			**SZS 0,4 x 2,5**	**12 05 03 7**	10

Technical data					
Dimensions		see description			
Pitch	[mm]	3.5			
Hole diameter	[mm]	dependent on the pin strip used			
Pin dimensions	[mm]x[mm]	dependent on the pin strip used			
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]	160	200	400	
Rated surge voltage	[kV]	2.5	2.5	2.5	
Nominal current / cross section	[A]/[mm²]	8 / 1.5			
Maximum load current / cross section	[A]/[mm²]	8 / 1.5			
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.2 - 1.5 / 0.2 - 1.5 / 26 - 16			
Stranded with ferrule without / with plastic sleeve	[mm²]	– / 0.75[1])			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.2 - 0.34 / 0.2 - 0.5			
Stranded with ferrule without plastic sleeve	[mm²]	–			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	–			
Stripping length	[mm]	5			
Internal cylindrical gauge (IEC 60 947-1)	–	–			
Thread	–	M 2			
Torque	[Nm]	0.25			
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	300 / 10 / 26 - 16 —			

[1]) When using ferrules with a plastic sleeve, 125 V max. can be achieved in connection with surge voltage category / contamination class II/2.



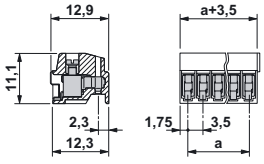
Pluggable Screw Termination Blocks
PT 1,5/…-PH-3,5
3.5 mm Pitch



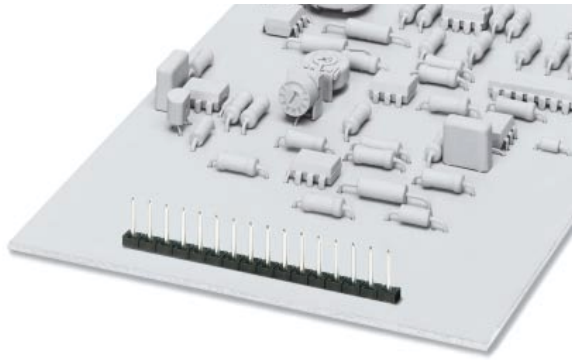
Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Pluggable screw termination blocks with housing interlocking, 3.5 mm pitch, color: green	2	3.5	**PT 1,5/2-PH-3,5**	**19 84 31 6**	250
	3	7	**PT 1,5/3-PH-3,5**	**19 84 32 9**	250
	4	10.5	**PT 1,5/4-PH-3,5**	**19 84 33 2**	250
	5	14	**PT 1,5/5-PH-3,5**	**19 84 34 5**	100
	6	17.5	**PT 1,5/6-PH-3,5**	**19 84 35 8**	100
	7	21	**PT 1,5/7-PH-3,5**	**19 84 36 1**	100
	8	24.5	**PT 1,5/8-PH-3,5**	**19 84 37 4**	100
	9	28	**PT 1,5/9-PH-3,5**	**19 84 38 7**	100
	10	31.5	**PT 1,5/10-PH-3,5**	**19 84 39 0**	100
	11	35	**PT 1,5/11-PH-3,5**	**19 84 40 0**	50
	12	38.5	**PT 1,5/12-PH-3,5**	**19 84 41 3**	50
	13	42	**PT 1,5/13-PH-3,5**	**19 84 42 6**	50
	14	45.5	**PT 1,5/14-PH-3,5**	**19 84 43 9**	50
	15	49	**PT 1,5/15-PH-3,5**	**19 84 44 2**	50
	16	52.5	**PT 1,5/16-PH-3,5**	**19 84 45 5**	50
(1) **Screwdriver**			**SZS 0,4 x 2,5**	**12 05 03 7**	10

Technical data					
Dimensions		see description			
Pitch	[mm]	3.5			
Hole diameter	[mm]	dependent on the pin strip used			
Pin dimensions	[mm]x[mm]	dependent on the pin strip used			
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]	160	200	400	
Rated surge voltage	[kV]	2.5	2.5	2.5	
Nominal current / cross section	[A]/[mm²]		8 / 1.5		
Maximum load current / cross section	[A]/[mm²]		8 / 1.5		
Connection capacity					
Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG	0.2 - 1.5 / 0.2 - 1.5 / 26 - 16			
Stranded with ferrule without / with plastic sleeve	[mm²]	– / 0.75[1])			
Multiple connection (2 conductors with same cross section)					
Solid / stranded	[mm²]	0.2 - 0.34 / 0.2 - 0.5			
Stranded with ferrule without plastic sleeve	[mm²]	–			
Stranded with TWIN ferrule with plastic sleeve	[mm²]	–			
Stripping length	[mm]	5			
Internal cylindrical gauge (IEC 60 947-1)	–	–			
Thread	–	M 2			
Torque	[Nm]	0.25			
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 / 10 / 26 - 16			
	CSA: [V]/[A]/AWG	—			

[1]) When using ferrules with a plastic sleeve, 125 V max. can be achieved in connection with surge voltage category / contamination class II/2.



Pin Strips
PST 1,0/…-3,5
3.5 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Pin strip, 3.5 mm pitch,					
color: black	2	3.5	**PST 1,0/2-3,5**	**19 45 09 6**	50[1])
	3	7	**PST 1,0/3-3,5**	**19 45 10 6**	
	4	10.5	**PST 1,0/4-3,5**	**19 45 11 9**	
	5	14	**PST 1,0/5-3,5**	**19 45 12 2**	
	6	17.5	**PST 1,0/6-3,5**	**19 45 13 5**	
	7	21	**PST 1,0/7-3,5**	**19 45 14 8**	
	8	24.5	**PST 1,0/8-3,5**	**19 45 15 1**	
	9	28	**PST 1,0/9-3,5**	**19 45 16 4**	
	10	31.5	**PST 1,0/10-3,5**	**19 45 17 7**	
	11	35	**PST 1,0/11-3,5**	**19 45 18 0**	
	12	38.5	**PST 1,0/12-3,5**	**19 45 19 3**	
	13	42	**PST 1,0/13-3,5**	**19 45 20 3**	
	14	45.5	**PST 1,0/14-3,5**	**19 45 21 6**	
	15	49	**PST 1,0/15-3,5**	**19 45 22 9**	
	16	52.5	**PST 1,0/16-3,5**	**19 45 23 2**	

Technical data					
Dimensions			see description		
Pitch	[mm]		3.5		
Hole diameter	[mm]		1.2		
Pin dimensions	[mm]x[mm]		∅ 1		
Technical data in accordance with IEC/ DIN VDE					
Insulating material group	–		IIIa		
Surge voltage category / contamination class	–/–		III / 3	III / 2	II / 2
Rated voltage	[V]		160	250	250
Rated surge voltage	[kV]		2.5	2.5	2.5
Nominal current / cross section	[A]/[mm²]			8[2])	
Maximum load current / cross section	[A]/[mm²]			8[2])	
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 / 10 / --	
	CSA: [V]/[A]/AWG			--	

[1]) Larger packing units are available on request.
[2]) The maximum current depends on the plug used. The lower value of the two for plug and pin strip is the deciding factor.