

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

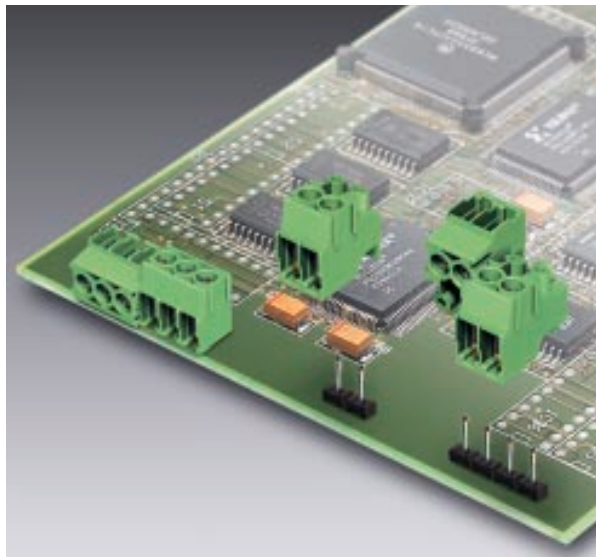
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The terminal blocks of the new PT series have the proven screw connection and highly flexible conductor protection. The practical and compact outer dimensions and the generous clamping space make them particularly versatile.

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.



### 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:

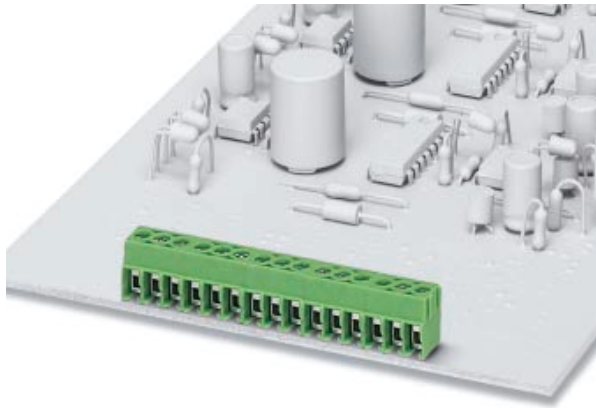
- Systematic and fast selection of products
- Universal Internet aided engineering with extensive CAD downloading
- Easy-to-use e-shopping functions.


<http://select.phoenixcontact.com>

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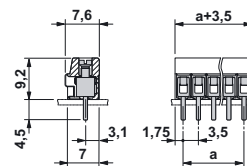
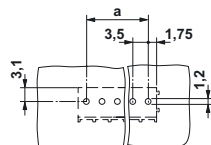
Phoenix Contact GmbH & Co. KG • 32823 Blomberg, Germany  
Phone +49 52 35 3-00 • Fax +49 52 35 3-4 12 00 • [www.phoenixcontact.com](http://www.phoenixcontact.com)  
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**Printed Circuit  
Screw Termination Blocks  
PT 1,5/...-3,5-H  
3.5 mm Pitch**

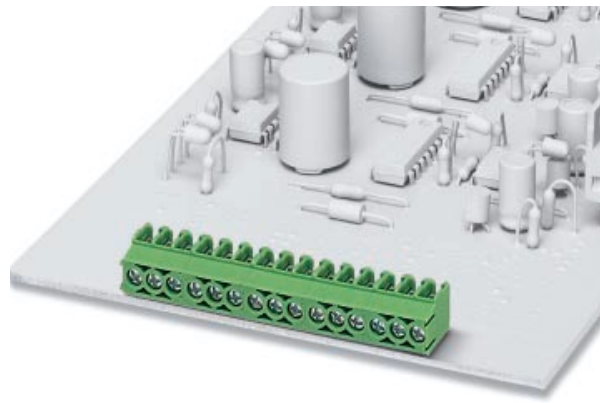


Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
<b>Printed circuit screw termination blocks with housing interlocking, 3.5 mm pitch, color: green</b>	2	3.5	PT 1,5/2-3,5-H	19 84 61 7	250
	3	7	PT 1,5/3-3,5-H	19 84 62 0	250
	4	10.5	PT 1,5/4-3,5-H	19 84 63 3	250
	5	14	PT 1,5/5-3,5-H	19 84 64 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
<b>Technical data</b>	see description				
Dimensions					
Pitch	[mm]	3.5			
Hole diameter	[mm]	1.2			
Pin dimensions	[mm]x[mm]	Ø 0.9			
<b>Technical data in accordance with IEC/ DIN VDE</b>					
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			
<b>Connection capacity</b>					
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 <sup>1)</sup>			
<b>Multiple connection (2 conductors with same cross section)</b>					
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]	-			
<b>Stripping length</b>	[mm]	5			
<b>Internal cylindrical gauge (IEC 60 947-1)</b>	-	-			
<b>Thread</b>	-	M 2			
<b>Torque</b>	[Nm]	0.25			
<b>Insulating material</b>					
Inflammability class in acc. with UL 94	PA				
<b>Approval data (UL/CUL and CSA)</b>					
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG	300 / 10 / 26 - 16			

<sup>1)</sup> 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.
<b>Printed circuit screw termination blocks with housing interlocking, 3.5 mm pitch, color: green</b>	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



<b>SZS 0,4 x 2,5</b>	<b>12 05 03 7</b>	<b>10</b>
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**Technical data**

<b>Dimensions</b>	
Pitch	[mm]
Hole diameter	[mm]
Pin dimensions	[mm]x[mm]

see description

3.5  
1.2  
∅ 0.9

**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]/[mm <sup>2</sup> ]
Maximum load current / cross section	[A]/[mm <sup>2</sup> ]

	I		
III / 3	III / 2	II / 2	
160	200	400	
2.5	2.5	2.5	
	17.5 / 1.5		
	17.5 / 1.5		

**Connection capacity**

Solid / stranded / conductor sizes	[mm <sup>2</sup> ]/[mm <sup>2</sup> ]/AWG
Stranded with ferrule without / with plastic sleeve	[mm <sup>2</sup> ]

0.2 - 1.5 / 0.2 - 1.5 / 26 - 16  
- / 0.75<sup>1)</sup>

**Multiple connection (2 conductors with same cross section)**

Solid / stranded	[mm <sup>2</sup> ]
Stranded with ferrule without plastic sleeve	[mm <sup>2</sup> ]
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]

0.2 - 0.34 / 0.2 - 0.5

**Stripping length** [mm]

5

**Internal cylindrical gauge (IEC 60 947-1)**

-

**Thread**

-

**Torque** [Nm]

M 2

**Insulating material**

0.25

Inflammability class in acc. with UL 94

PA

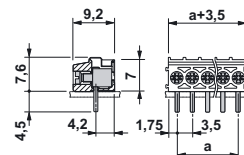
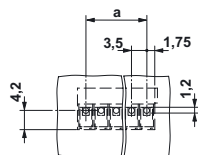
**Approval data (UL/CUL and CSA)**

V0

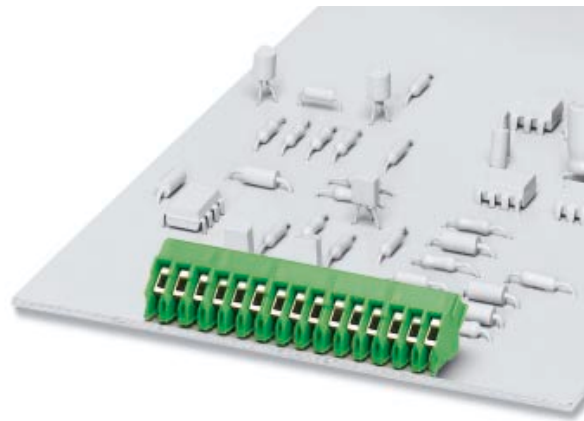
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG
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300 / 10 / 26 - 16

<sup>1)</sup> 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.
<b>Printed circuit screw termination blocks with housing interlocking, 3.5 mm pitch, color: green</b>	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**



<b>SZS 0,4 x 2,5</b>	<b>12 05 03 7</b>	10
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**Technical data**

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

see description		
		3.5
		1.2
		∅ 0.9

**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]

	I		
	III / 3	III / 2	II / 2
	160	200	400
	2.5	2.5	2.5
		17.5 / 1.5	
		17.5 / 1.5	

**Connection capacity**

Solid / stranded / conductor sizes	[mm²]/[mm²]/AWG
Stranded with ferrule without / with plastic sleeve	[mm²]

0.2 - 1.5 / 0.2 - 1.5 / 26 - 16
- / (0.75 <sup>1)</sup> )

**Multiple connection (2 conductors with same cross section)**

Solid / stranded	[mm²]
Stranded with ferrule without plastic sleeve	[mm²]
Stranded with TWIN ferrule with plastic sleeve	[mm²]

0.2 - 0.34 / 0.2 - 0.5
-
-

**Stripping length**

	[mm]
--	------

5
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**Internal cylindrical gauge (IEC 60 947-1)**

	-
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	-
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**Thread**

	-
--	---

	M 2
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**Torque**

	[Nm]
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	0.25
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**Insulating material**

Inflammability class in acc. with UL 94	
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	PA
	V0

**Approval data (UL/CUL and CSA)**

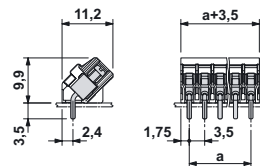
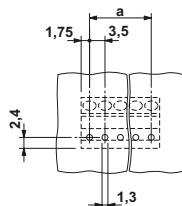
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG
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	-
	-

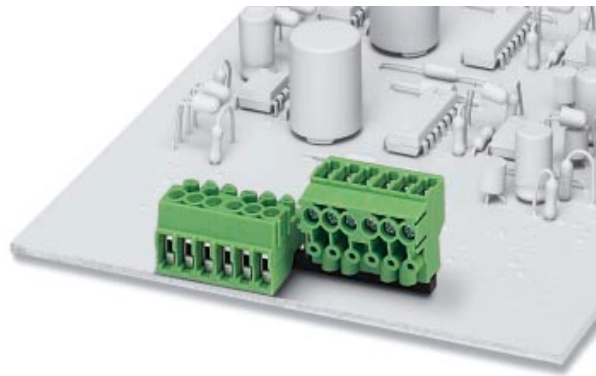
	CSA: [V]/[A]/AWG
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	-
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<sup>1)</sup> When using ferrules with a plastic sleeve, 125 V max. can be achieved in connection with surge voltage category / contamination class II/2.



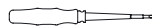
# Pluggable Screw Termination Blocks PT 1,5/...-PVH-3,5 3.5 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
<b>Printed circuit screw termination blocks with housing interlocking, 3.5 mm pitch, color: green</b>	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

(2) **Screwdriver**



### 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]

### Multiple connection (2 conductors with same cross section)

Solid / stranded	[mm²]
Stranded with ferrule without plastic sleeve	[mm²]
Stranded with TWIN ferrule with plastic sleeve	[mm²]

### Stripping length

Internal cylindrical gauge (IEC 60 947-1)	-
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### Thread

Thread	-
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### Torque

Torque	[Nm]
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### Insulating material

Inflammability class in acc. with UL 94	-
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### Approval data (UL/CUL and CSA)

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

Type	Order No.	Pcs./Pkt.
CP-PT 1,5	19 85 56 4	100
SZS 0,4 x 2,5	12 05 03 7	10

see description

3.5

dependent on the pin strip used  
dependent on the pin strip used

	I	II / 2
III / 3	III / 2	II / 2
160	200	400
2.5	2.5	2.5
	8 / 1.5	
	8 / 1.5	

0.2 - 1.5 / 0.2 - 1.5 / 26 - 16  
- / (0.75')

0.2 - 0.34 / 0.2 - 0.5

-

-

5

-

M 2

0.25

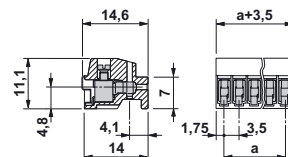
PA

V0

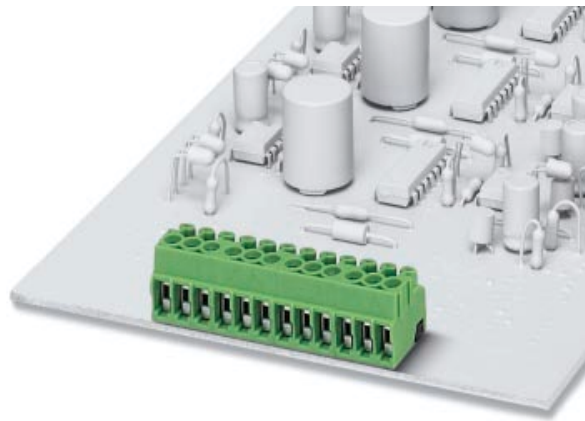
300 / 10 / 26 - 16

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\*) 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.
<b>Pluggable screw termination blocks with housing interlocking, 3.5 mm pitch, color: green</b>					
	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

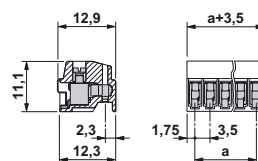
(1) Screwdriver



<p><b>Technical data</b></p> <p>Dimensions</p> <p>Pitch [mm]</p> <p>Hole diameter [mm]</p> <p>Pin dimensions [mm]x[mm]</p> <p><b>Technical data in accordance with IEC/ DIN VDE</b></p> <p>Insulating material group -</p> <p>Surge voltage category / contamination class -/-</p> <p>Rated voltage [V]</p> <p>Rated surge voltage [kV]</p> <p>Nominal current / cross section [A]/[mm²]</p> <p>Maximum load current / cross section [A]/[mm²]</p> <p><b>Connection capacity</b></p> <p>Solid / stranded / conductor sizes [mm²]/[mm²]/AWG</p> <p>Stranded with ferrule without / with plastic sleeve [mm²]</p> <p><b>Multiple connection (2 conductors with same cross section)</b></p> <p>Solid / stranded [mm²]</p> <p>Stranded with ferrule without plastic sleeve [mm²]</p> <p>Stranded with TWIN ferrule with plastic sleeve [mm²]</p> <p><b>Stripping length</b> [mm]</p> <p><b>Internal cylindrical gauge (IEC 60 947-1)</b> -</p> <p><b>Thread</b> -</p> <p><b>Torque</b> [Nm]</p> <p><b>Insulating material</b></p> <p>Inflammability class in acc. with UL 94</p> <p><b>Approval data (UL/CUL and CSA)</b></p> <p>Nominal voltage / current / conductor sizes UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG</p>	<p>see description</p> <p>3.5</p> <p>dependent on the pin strip used</p> <p>dependent on the pin strip used</p>	<p>12 05 03 7</p> <p>10</p>
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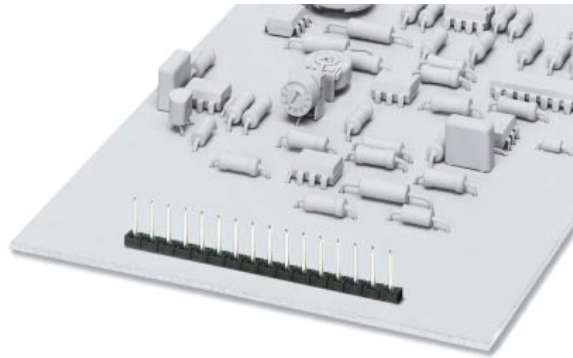
<p><b>Technical data</b></p> <p>Dimensions</p> <p>Pitch [mm]</p> <p>Hole diameter [mm]</p> <p>Pin dimensions [mm]x[mm]</p> <p><b>Technical data in accordance with IEC/ DIN VDE</b></p> <p>Insulating material group -</p> <p>Surge voltage category / contamination class -/-</p> <p>Rated voltage [V]</p> <p>Rated surge voltage [kV]</p> <p>Nominal current / cross section [A]/[mm²]</p> <p>Maximum load current / cross section [A]/[mm²]</p> <p><b>Connection capacity</b></p> <p>Solid / stranded / conductor sizes [mm²]/[mm²]/AWG</p> <p>Stranded with ferrule without / with plastic sleeve [mm²]</p> <p><b>Multiple connection (2 conductors with same cross section)</b></p> <p>Solid / stranded [mm²]</p> <p>Stranded with ferrule without plastic sleeve [mm²]</p> <p>Stranded with TWIN ferrule with plastic sleeve [mm²]</p> <p><b>Stripping length</b> [mm]</p> <p><b>Internal cylindrical gauge (IEC 60 947-1)</b> -</p> <p><b>Thread</b> -</p> <p><b>Torque</b> [Nm]</p> <p><b>Insulating material</b></p> <p>Inflammability class in acc. with UL 94</p> <p><b>Approval data (UL/CUL and CSA)</b></p> <p>Nominal voltage / current / conductor sizes UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG</p>	<p>III / 3</p> <p>160</p> <p>2.5</p> <p>8 / 1.5</p> <p>8 / 1.5</p> <p>0.2 - 1.5 / 0.2 - 1.5 / 26 - 16 - / 0.75<sup>1)</sup></p> <p>0.2 - 0.34 / 0.2 - 0.5</p> <p>-</p> <p>-</p> <p>5</p> <p>-</p> <p>M 2</p> <p>0.25</p> <p>PA</p> <p>V0</p> <p>300 / 10 / 26 - 16</p> <p>-</p>	<p>I</p> <p>III / 2</p> <p>II / 2</p> <p>400</p> <p>2.5</p>
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<sup>1)</sup> When using ferrules with a plastic sleeve, 125 V max. can be achieved in connection with surge voltage category / contamination class II/2.





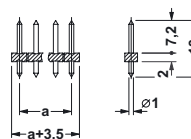
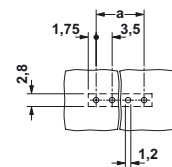
# Pin Strips PST 1,0/...-3,5 3.5 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
<b>Pin strip, 3.5 mm pitch, color: black</b>					
	2	3.5	PST 1,0/2-3,5	19 45 09 6	50 <sup>1)</sup>
	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		see description		
Dimensions				
Pitch	[mm]		3.5	
Hole diameter	[mm]		1.2	
Pin dimensions	[mm]x[mm]		∅ 1	
<b>Technical data in accordance with IEC/ DIN VDE</b>				
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]/[mm <sup>2</sup> ]		8 <sup>2)</sup>	
Maximum load current / cross section	[A]/[mm <sup>2</sup> ]		8 <sup>2)</sup>	
<b>Insulating material</b>			PA	
Inflammability class in acc. with UL 94			V0	
<b>Approval data (UL/CUL and CSA)</b>				
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG		300 / 10 / --	--

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.



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单击下面可查看定价，库存，交付和生命周期等信息

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