

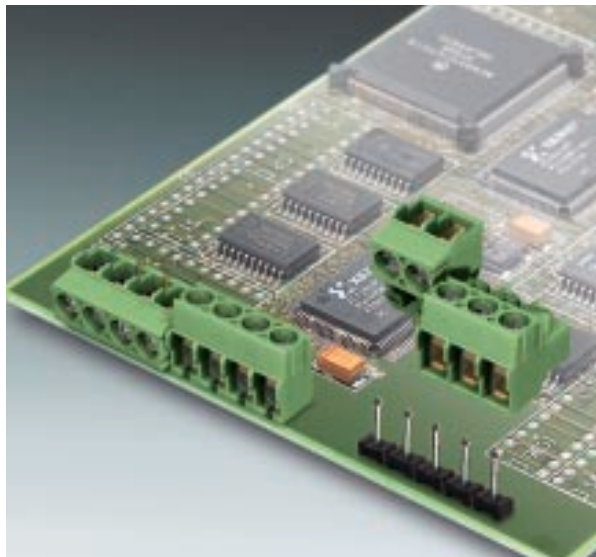
## COMBICON compact Screw Compact Terminal Blocks PT(A) 1,5/... with a 5.0 mm Pitch

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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 coded if desired and can be plugged on the PST 1,3-5,0 pin strip which is also available and reflow-solderable. The two integrated plug-in directions offer maximum flexibility for the end user and reduce inventory and handling by 50 %.

Customized labeling of all versions is possible.



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The COMBICON search engine with CAD downloading

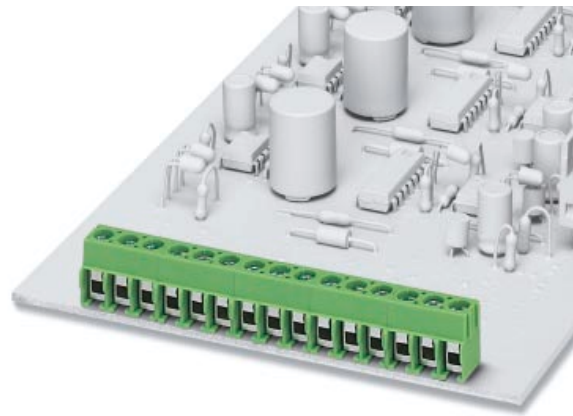


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- Systematic and fast selection of products
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<http://select.phoenixcontact.com>

# Printed Circuit Screw Termination Blocks PT 1,5/...-5,0-H 5.0 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
<b>Printed circuit screw termination blocks with housing interlocking, 5 mm pitch, color: green</b>	2	5	PT 1,5/2-5,0-H	19 35 16 1	250
	3	10	PT 1,5/3-5,0-H	19 35 17 4	250
	4	15	PT 1,5/4-5,0-H	19 35 18 7	250
	5	20	PT 1,5/5-5,0-H	19 35 19 0	100
	6	25	PT 1,5/6-5,0-H	19 35 20 0	100
	7	30	PT 1,5/7-5,0-H	19 35 21 3	100
	8	35	PT 1,5/8-5,0-H	19 35 22 6	100
	9	40	PT 1,5/9-5,0-H	19 35 23 9	100
	10	45	PT 1,5/10-5,0-H	19 35 24 2	100
	11	50	PT 1,5/11-5,0-H	19 35 25 5	50
	12	55	PT 1,5/12-5,0-H	19 35 26 8	50
	13	60	PT 1,5/13-5,0-H	19 35 27 1	50
	14	65	PT 1,5/14-5,0-H	19 35 28 4	50
	15	70	PT 1,5/15-5,0-H	19 35 29 7	50
	16	75	PT 1,5/16-5,0-H	19 35 30 7	50

(1) Screwdriver,



### Technical data

<b>Dimensions</b>	
Pitch	[mm]
Hole diameter	[mm]
Pin dimensions	[mm]x[mm]
<b>Technical data in accordance with IEC/ DIN VDE</b>	
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> ]
<b>Connection capacity</b>	
Solid / stranded / conductor sizes	[mm <sup>2</sup> ]/[mm <sup>2</sup> ]/AWG
Stranded with ferrule without / with plastic sleeve	[mm <sup>2</sup> ]
<b>Multiple connection (2 conductors with same cross section)</b>	
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> ]
<b>Stripping length</b>	[mm]
<b>Internal cylindrical gauge (IEC 60 947-1)</b>	-
<b>Thread</b>	-
<b>Torque</b>	[Nm]
<b>Insulating material</b>	
Inflammability class in acc. with UL 94	
<b>Approval data (UL/CUL and CSA)</b>	
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG

<b>SZS 0,6 x 3,5</b>	12 05 05 3	10
<b>SZK PK 0</b>	12 05 14 7	10

see description

5.0

1.3

1.0

I

III / 3

III / 2

II / 2

250

320

630

4

4

4

17.5 / 1.5

20 / 2.5

0.2 - 2.5 / 0.2 - 2.5 / 26 - 14

0.25 - 1.5 / 0.25 - 1.5<sup>1)</sup>

0.2 - 0.75 / 0.2 - 0.75

0.25 - 0.34<sup>1)</sup>

0.5 - 0.75<sup>1)</sup>

5

A 1 / B 1

M 2.6

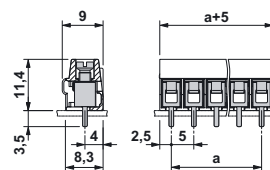
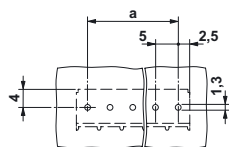
0.4

PA

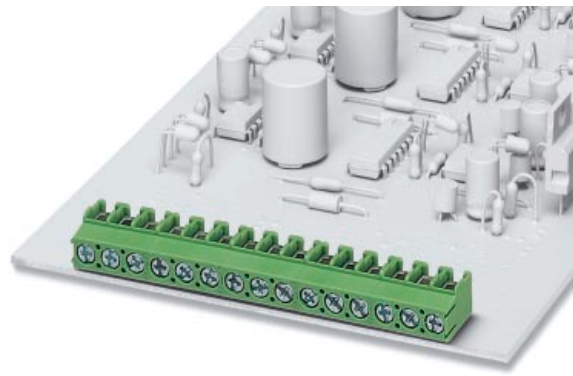
V0

300 / 15 / 26 - 12

<sup>1)</sup> 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 1,5/...-5,0-V  
5.0 mm Pitch**



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
<b>Printed circuit screw termination blocks with housing interlocking, 5 mm pitch, color: green</b>	2	5	PT 1,5/2-5,0-V	19 35 31 0	250
	3	10	PT 1,5/3-5,0-V	19 35 32 3	250
	4	15	PT 1,5/4-5,0-V	19 35 33 6	250
	5	20	PT 1,5/5-5,0-V	19 35 34 9	100
	6	25	PT 1,5/6-5,0-V	19 35 35 2	100
	7	30	PT 1,5/7-5,0-V	19 35 36 5	100
	8	35	PT 1,5/8-5,0-V	19 35 37 8	100
	9	40	PT 1,5/9-5,0-V	19 35 38 1	100
	10	45	PT 1,5/10-5,0-V	19 35 39 4	100
	11	50	PT 1,5/11-5,0-V	19 35 40 7	50
	12	55	PT 1,5/12-5,0-V	19 35 41 0	50
	13	60	PT 1,5/13-5,0-V	19 35 42 3	50
	14	65	PT 1,5/14-5,0-V	19 35 43 6	50
	15	70	PT 1,5/15-5,0-V	19 35 44 9	50
	16	75	PT 1,5/16-5,0-V	19 35 45 2	50

(1) Screwdriver,



**Technical data**

<b>Dimensions</b>	
Pitch	[mm]
Hole diameter	[mm]
Pin dimensions	[mm]x[mm]
<b>Technical data in accordance with IEC/ DIN VDE</b>	
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> ]
<b>Connection capacity</b>	
Solid / stranded / conductor sizes	[mm <sup>2</sup> ]/[mm <sup>2</sup> ]/AWG
Stranded with ferrule without / with plastic sleeve	[mm <sup>2</sup> ]
<b>Multiple connection (2 conductors with same cross section)</b>	
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> ]
<b>Stripping length</b>	[mm]
<b>Internal cylindrical gauge (IEC 60 947-1)</b>	-
<b>Thread</b>	-
<b>Torque</b>	[Nm]
<b>Insulating material</b>	
Inflammability class in acc. with UL 94	
<b>Approval data (UL/CUL and CSA)</b>	
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG CSA: [V]/[A]/AWG

<b>SZS 0,6 x 3,5</b>	12 05 05 3	10
<b>SZK PH 0</b>	12 05 14 7	10

see description

5.0

1.3

1.0

I

III / 3

III / 2

II / 2

250

320

630

4

4

4

17.5 / 1.5

20 / 2.5

0.2 - 2.5 / 0.2 - 2.5 / 26 - 14

0.25 - 1.5 / 0.25 - 1.5<sup>1)</sup>

0.2 - 0.75 / 0.2 - 0.75

0.25 - 0.34<sup>1)</sup>

0.5 - 0.75<sup>1)</sup>

5

A 1 / B 1

M 2.6

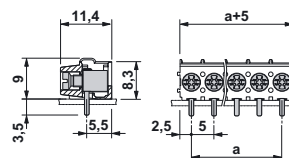
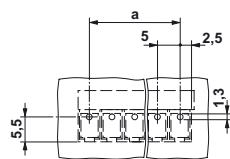
0.4

PA

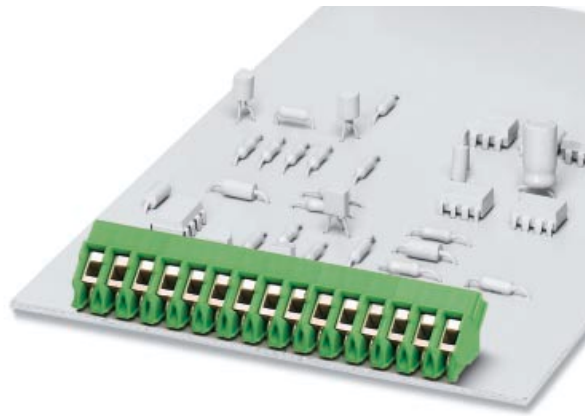
V0

300 / 15 / 26 - 12

<sup>1)</sup> When using ferrules, 250 V can only be achieved in connection with surge voltage category / contamination class II / 2.



**Printed Circuit  
Screw Termination Blocks  
PTA 1,5/...-5,0  
5.0 mm Pitch**



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
<b>Printed circuit screw termination blocks with housing interlocking, 5 mm pitch, color: green, 45° schräge Anschlussrichtung</b>	2	5	PTA 1,5/2-5,0	19 88 80 4	250
	3	10	PTA 1,5/3-5,0	19 88 81 7	250
	4	15	PTA 1,5/4-5,0	19 88 82 0	250
	5	20	PTA 1,5/5-5,0	19 88 83 3	100
	6	25	PTA 1,5/6-5,0	19 88 84 6	100
	7	30	PTA 1,5/7-5,0	19 88 85 9	100
	8	35	PTA 1,5/8-5,0	19 88 86 2	100
	9	40	PTA 1,5/9-5,0	19 88 87 5	100
	10	45	PTA 1,5/10-5,0	19 88 88 8	100
	11	50	PTA 1,5/11-5,0	19 88 89 1	50
	12	55	PTA 1,5/12-5,0	19 88 90 4	50
	13	60	PTA 1,5/13-5,0	19 88 91 7	50
	14	65	PTA 1,5/14-5,0	19 88 92 0	50
	15	70	PTA 1,5/15-5,0	19 88 93 3	50
	16	75	PTA 1,5/16-5,0	19 88 94 6	50

(1) Screwdriver,



<b>SZS 0,6 x 3,5</b>	12 05 05 3	10
<b>SZK PH 0</b>	12 05 14 7	10

**Technical data**

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

see description

**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]/[mm <sup>2</sup> ]	17.5 / 1.5
Maximum load current / cross section	[A]/[mm <sup>2</sup> ]	20 / 2.5

**Connection capacity**

Solid / stranded / conductor sizes	[mm <sup>2</sup> ]/[mm <sup>2</sup> ]/AWG	0.2 - 2.5 / 0.2 - 2.5 / 26 - 14
Stranded with ferrule without / with plastic sleeve	[mm <sup>2</sup> ]	0.25 - 1.5 / 0.25 - 1.5 <sup>1)</sup>

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

Solid / stranded	[mm <sup>2</sup> ]	0.2 - 0.75 / 0.2 - 0.75
Stranded with ferrule without plastic sleeve	[mm <sup>2</sup> ]	0.25 - 0.34 <sup>1)</sup>
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]	0.5 - 0.75 <sup>1)</sup>

**Stripping length**

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

	-	A 1 / B 1
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**Thread**

	-	M 2.6
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**Torque**

	[Nm]	0.4
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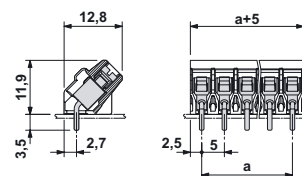
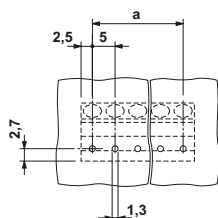
**Insulating material**

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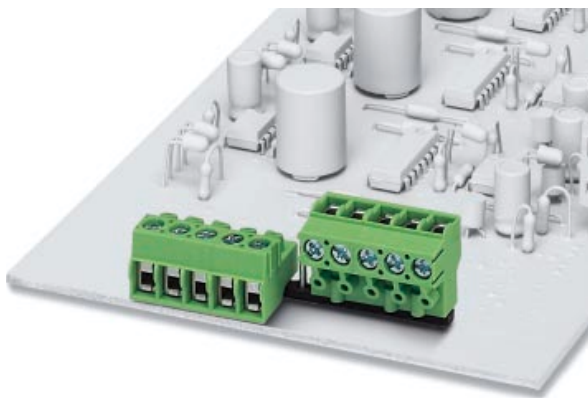
**Approval data (UL/CUL and CSA)**

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

<sup>1)</sup> When using ferrules, 250 V can only be achieved in connection with surge voltage category / contamination class II / 2.



# Pluggable Screw Termination Blocks PT 1,5/...-PVH-5,0 5.0 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
<b>Printed circuit screw termination blocks with housing interlocking, 5 mm pitch, color: green</b>	2	5	PT 1,5/2-PVH-5,0	19 34 86 1	250
	3	10	PT 1,5/3-PVH-5,0	19 34 87 4	250
	4	15	PT 1,5/4-PVH-5,0	19 34 88 7	250
	5	20	PT 1,5/5-PVH-5,0	19 34 89 0	100
	6	25	PT 1,5/6-PVH-5,0	19 34 90 0	100
	7	30	PT 1,5/7-PVH-5,0	19 34 91 3	100
	8	35	PT 1,5/8-PVH-5,0	19 34 92 6	100
	9	40	PT 1,5/9-PVH-5,0	19 34 93 9	100
	10	45	PT 1,5/10-PVH-5,0	19 34 94 2	100
	11	50	PT 1,5/11-PVH-5,0	19 34 95 5	50
	12	55	PT 1,5/12-PVH-5,0	19 34 96 8	50
	13	60	PT 1,5/13-PVH-5,0	19 34 97 1	50
	14	65	PT 1,5/14-PVH-5,0	19 34 98 4	50
	15	70	PT 1,5/15-PVH-5,0	19 34 99 7	50
	16	75	PT 1,5/16-PVH-5,0	19 35 00 6	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]/[mm <sup>2</sup> ]
Maximum load current / cross section	[A]/[mm <sup>2</sup> ]

## 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> ]

## 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> ]

## Stripping length

Internal cylindrical gauge (IEC 60 947-1)	-
Thread	-
Torque	[Nm]

## 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
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Type	Order No.	Pcs./Pkt.
CP-PT 1,5	19 85 56 4	100
SZS 0,6 x 3,5 SZK PH 0	12 05 05 3 12 05 14 7	10 10

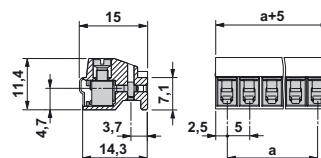
see description

5.0

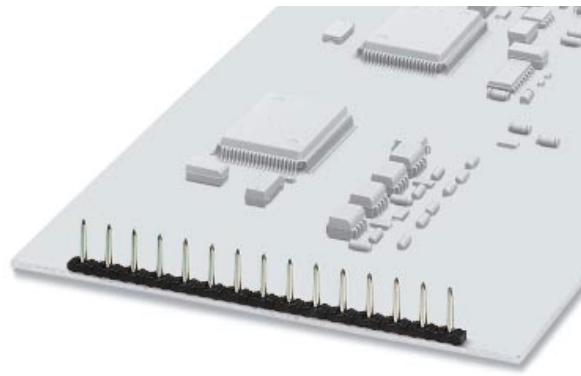
dependent on the pin strip used  
dependent on the pin strip used

	I	II / 2
III / 3	III / 2	II / 2
250	320	630
4	4	4
	12 / 1.5	
	12 / 2.5	
	0.2 - 2.5 / 0.2 - 2.5 / 26 - 14 0.25 - 1.5 / 0.25 - 1.5 <sup>1)</sup>	
	0.2 - 0.75 / 0.2 - 0.75 0.25 - 0.34 <sup>1)</sup>	
	0.5 - 0.75 <sup>1)</sup>	
	5	
	A 1 / B 1	
	M 2.6	
	0.4	
	PA	
	V0	
	300 / 15 / 26 - 12	

<sup>1)</sup> When using ferrules, 250 V can only be achieved in connection with surge voltage category / contamination class II / 2.



# Pin Strips PST 1,3/...-5,0 5.0 mm Pitch



Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
<b>Pin strip, 5 mm pitch, color: black</b>	2	5	<b>PST 1,3/2-5,0</b>	<b>19 33 18 9</b>	50
	3	10	<b>PST 1,3/3-5,0</b>	<b>19 33 19 2</b>	
	4	15	<b>PST 1,3/4-5,0</b>	<b>19 33 20 2</b>	
	5	20	<b>PST 1,3/5-5,0</b>	<b>19 33 21 5</b>	
	6	25	<b>PST 1,3/6-5,0</b>	<b>19 33 22 8</b>	
	7	30	<b>PST 1,3/7-5,0</b>	<b>19 33 23 1</b>	
	8	35	<b>PST 1,3/8-5,0</b>	<b>19 33 24 4</b>	
	9	40	<b>PST 1,3/9-5,0</b>	<b>19 33 25 7</b>	
	10	45	<b>PST 1,3/10-5,0</b>	<b>19 33 26 0</b>	
	11	50	<b>PST 1,3/11-5,0</b>	<b>19 33 27 3</b>	
	12	55	<b>PST 1,3/12-5,0</b>	<b>19 33 28 6</b>	
	13	60	<b>PST 1,3/13-5,0</b>	<b>19 33 29 9</b>	
	14	65	<b>PST 1,3/14-5,0</b>	<b>19 33 30 9</b>	
	15	70	<b>PST 1,3/15-5,0</b>	<b>19 33 31 2</b>	
	16	75	<b>PST 1,3/16-5,0</b>	<b>19 33 32 5</b>	

### Technical data

Dimensions		
Pitch	[mm]	5.0
Hole diameter	[mm]	1.5
Pin dimensions	[mm]x[mm]	ø 1.3

### Technical data in accordance with IEC/ DIN VDE

Insulating material group				
Surge voltage category / contamination class		III / 3	III / 2	II / 2
Rated voltage	[V]	250	320	320
Rated surge voltage	[kV]	4	4	4
Nominal current / cross section	[A]/[mm <sup>2</sup> ]		12 <sup>1)</sup> / —	
Maximum load current / cross section	[A]/[mm <sup>2</sup> ]		12 <sup>1)</sup> / —	

### 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			
300 / 16 / —			
—			

<sup>1)</sup> The maximum value depends on the plug used. The lower value of the two for plug and pin strip is the deciding factor.

