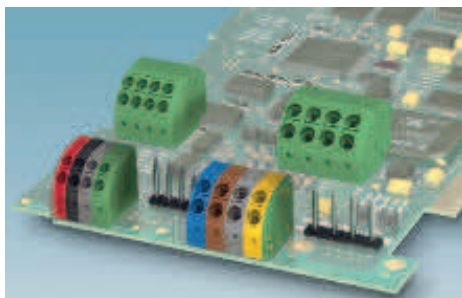


PTDA series

Angled PCB terminals with spring-cage double connection up to 2 x 1.5 mm<sup>2</sup>



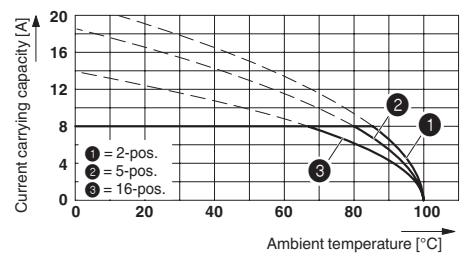
- Spring-cage double connection using direct plug-in method with a release button
- 3.5 mm pitch
- Large terminal block capacity with compact dimensions
- Optional color coding
- Connector with optional mechanical keying
- Attractive design for connection at a glance
- PCB and plug-in version available

**Notes:**  
**COMBICON select**  
 Possible combinations for plug-in connectors can be found in COMBICON select at [www.phoenixcontact.net/catalog](http://www.phoenixcontact.net/catalog) or starting on page 506.  
 PTDA 1,5/...-PH-3,5 can be plugged onto the PST 1,0/...-3,5 pin strip, see page 536.  
 1) Please observe the current carrying capacity curves. Other current carrying capacity curves are available on request.

Accessories		
For all types	Type	Page
	Screwdriver <b>SZF 0-0,4 x 2,5</b> Order No. <b>1204504</b>	
	Keying profile CP-PTDA Order No. <b>1731361</b>	38
	Marker cards <b>SK 3,5/2,8</b>	841
	Ferrules with and without plastic sleeve	858
	Crimping pliers for 0.25 to 6 mm <sup>2</sup> <b>CRIMPFOX 6</b> Order No. <b>1212034</b>	

**Representative derating curve**

Type: PTDA 1,5/...-PH-3,5  
 Derating curve determined according to DIN EN 61984 (VDE 0627):2002-09  
 Representation in accordance with DIN EN 60512-5-2:2003-01  
 Reduction factor = 0.8  
 Conductor cross section: 1.5 mm<sup>2</sup>

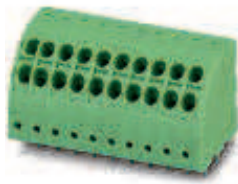


**Technical data**

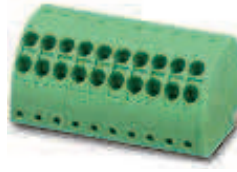
Technical data according to IEC/DIN VDE	
Rated current / conductor cross section	[A] / [mm <sup>2</sup> ]
Rated insulation voltage for pollution degree 2	[V]
Pitch	[mm]
Connection capacity	
Solid / stranded	[mm <sup>2</sup> ] / [mm <sup>2</sup> ] / AWG
Stranded with ferrules without plastic sleeve	[mm <sup>2</sup> ]
Stranded with ferrules with plastic sleeve	[mm <sup>2</sup> ]
Multi-conductor connection capacity (two conductors with the same cross section)	
Solid / stranded	[mm <sup>2</sup> ]
Stranded with ferrules without plastic sleeve	[mm <sup>2</sup> ]
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]
Insulation coordination	
Surge voltage category / pollution degree	
Rated insulation voltage	[V]
Rated surge voltage	[kV]
Approval data (UL/CUL)	Use Group
Nominal voltage	[V]
Nominal current	[A]
Connection capacity AWG	AWG
Approval data (CSA)	Use Group
Nominal voltage	[V]
Nominal current	[A]
Connection capacity AWG	AWG
General data	
Stripping length	[mm]
Type of insulation material / insulation material group	
Inflammability class according to UL 94	
Drill hole diameter / pin dimensions	[mm]

PTDA 1,5/...-3,5			PTDA 1,5/...-PH-3,5		
13.5 <sup>1)</sup> / 1.5			8 <sup>1)</sup> / 1.5		
240			240		
3.5			3.5		
0.2 - 1.5 / 0.2 - 1.5 / 24 - 16			0.2 - 1.5 / 0.2 - 1.5 / 24 - 16		
0.5 - 1.5			0.5 - 1.5		
0.5 - 0.5			0.5 - 0.5		
0.2 - 1.5 / 0.2 - 1.5			0.2 - 1.5 / 0.2 - 1.5		
0.5 - 1.5			0.5 - 1.5		
0.5 - 0.5			0.5 - 0.5		
III / 3 III / 2 II / 2			III / 3 III / 2 II / 2		
200 240 400			160 240 400		
2.5 2.5 2.5			2.5 2.5 2.5		
B C D			B C D		
300 - 300			150 - 300		
12 - 10			10 - 10		
24 - 16 24 - 16 24 - 16			24 - 16 24 - 16 24 - 16		
B C D			B C D		
- - -			- - -		
- - -			- - -		
- - -			- - -		
10			10		
PA / I			PA / I		
V0			V0		
1.3 / 1.0 x 0.4			- / -		

No. of pos.	Dim. a [mm]
2	3.50
3	7.00
4	10.50
5	14.00
6	17.50
7	21.00
8	24.50
9	28.00
10	31.50
11	35.00
12	38.50
13	42.00
14	45.50
15	49.00
16	52.50



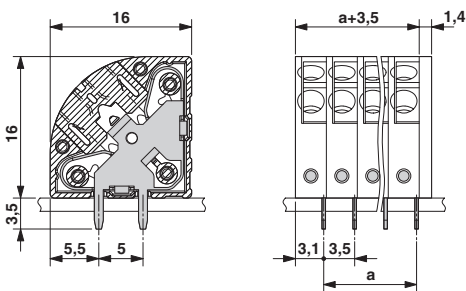
PCB terminal block with spring-cage double connection



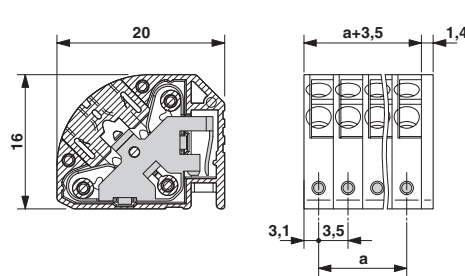
Plug with spring-cage double connection, can be plugged onto PST 1,0/...-3,5 pin strip



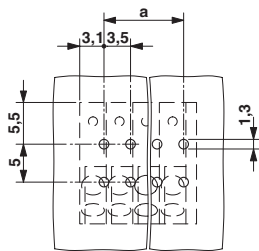
Dimensional drawing



Dimensional drawing



Drilling diagram



Ordering data

Type	Order No.	Pcs. / Pkt.
3.5 mm pitch, color: green		
PTDA 1,5/ 2-3,5	1724912	50
PTDA 1,5/ 3-3,5	1724925	50
PTDA 1,5/ 4-3,5	1724938	50
PTDA 1,5/ 5-3,5	1724951	50
PTDA 1,5/ 6-3,5	1724964	50
PTDA 1,5/ 7-3,5	1724977	50
PTDA 1,5/ 8-3,5	1724996	50
PTDA 1,5/ 9-3,5	1725003	50
PTDA 1,5/10-3,5	1725016	50
PTDA 1,5/11-3,5	1725029	50
PTDA 1,5/12-3,5	1725042	50
PTDA 1,5/13-3,5	1725055	50
PTDA 1,5/14-3,5	1725068	50
PTDA 1,5/15-3,5	1725081	50
PTDA 1,5/16-3,5	1725094	50

Ordering data

Type	Order No.	Pcs. / Pkt.
3.5 mm pitch, color: green		
PTDA 1,5/ 2-PH-3,5	1725107	250
PTDA 1,5/ 3-PH-3,5	1725120	250
PTDA 1,5/ 4-PH-3,5	1725133	250
PTDA 1,5/ 5-PH-3,5	1725146	100
PTDA 1,5/ 6-PH-3,5	1725159	100
PTDA 1,5/ 7-PH-3,5	1725172	100
PTDA 1,5/ 8-PH-3,5	1725185	100
PTDA 1,5/ 9-PH-3,5	1725198	100
PTDA 1,5/10-PH-3,5	1725211	100
PTDA 1,5/11-PH-3,5	1725224	50
PTDA 1,5/12-PH-3,5	1725237	50
PTDA 1,5/13-PH-3,5	1725250	50
PTDA 1,5/14-PH-3,5	1725263	50
PTDA 1,5/15-PH-3,5	1725276	50
PTDA 1,5/16-PH-3,5	1725289	50