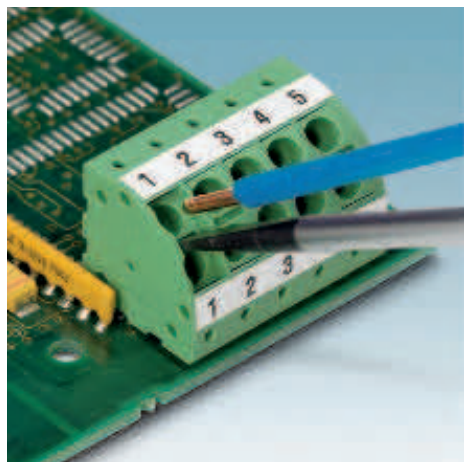


PTDA series

Angled PCB terminals with spring-cage double connection up to 2 x 2.5 mm²



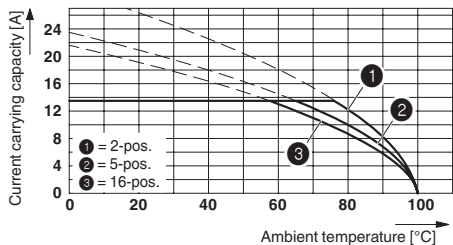
- Spring-cage double connection using direct plug-in method with a release button
- 5.0 mm pitch
- Large terminal block capacity with compact dimensions
- Optional color coding
- Connector with optional mechanical keying
- Attractive design for connection at a glance
- PCB and plug-in version available

Notes:
 In accordance with DIN EN 61984, COMBICON connectors have no switching power. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.
COMBICON select
 Possible combinations for plug-in connectors can be found in COMBICON select at www.phoenixcontact.net/catalog or starting on page 506.
 PTDA 2,5/...-PH-5,0 can be plugged onto the PST 1,3/...-5,0 pin strip, see page 538.
 1) Please observe the current carrying capacity curves. Other current carrying capacity curves are available on request.

Accessories		
For all types	Type	Page
	Screwdriver SZF 1-0,6 x 3,5 Order No. 1204517	
	Keying profile CP-PTDA Order No. 1731361	38
	Marker cards SK 5/3,8	842
	Ferrules with and without plastic sleeve	858
	Crimping pliers for 0.25 to 6 mm ² CRIMPFOX 6 Order No. 1212034	

Representative derating curve

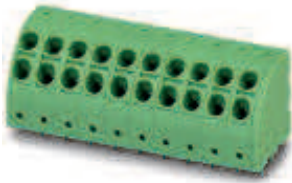
Type: PTDA 2,5/ 16-PH-5,0
 Derating curve, determined according to DIN EN 61984 (VDE 0627):2002-09
 Representation in accordance with DIN EN 60512-5-2:2003-01
 Reduction factor = 0,8
 Conductor cross section: 2.5 mm²



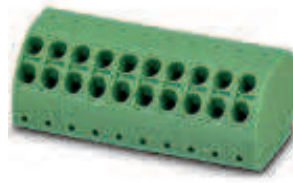
Technical data	
Technical data according to IEC/DIN VDE	
Rated current / conductor cross section	[A] / [mm ²]
Rated insulation voltage for pollution degree 2	[V]
Pitch	[mm]
Connection capacity	
Solid / stranded	[mm ²] / [mm ²] / AWG
Stranded with ferrules without plastic sleeve	[mm ²]
Stranded with ferrules with plastic sleeve	[mm ²]
Multi-conductor connection capacity (two conductors with the same cross section)	
Solid / stranded	[mm ²]
Stranded with ferrules without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]
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 2,5/...-5,0			PTDA 2,5/...-PH-5,0		
24 ¹⁾ / 2,5			13.5 ¹⁾ / 2,5		
400			400		
5			5		
0.2 - 2.5 / 0.2 - 2.5 / 24 - 14			0.2 - 2.5 / 0.2 - 2.5 / 24 - 14		
0.5 - 2.5			0.5 - 2.5		
0.5 - 1			0.5 - 1		
0.2 - 2.5 / 0.2 - 2.5			0.2 - 2.5 / 0.2 - 2.5		
0.5 - 2.5			0.5 - 2.5		
0.5 - 1			0.5 - 1		
III / 3	III / 2	II / 2	III / 3	III / 2	II / 2
320	400	630	320	400	630
4	4	4	4	4	4
B	C	D	B	C	D
300	-	300	300	150	300
15	-	10	13.5	13.5	10
24 - 14	24 - 14	24 - 14	24 - 14	24 - 14	24 - 14
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	5.00
3	10.00
4	15.00
5	20.00
6	25.00
7	30.00
8	35.00
9	40.00
10	45.00
11	50.00
12	55.00
13	60.00
14	65.00
15	70.00
16	75.00



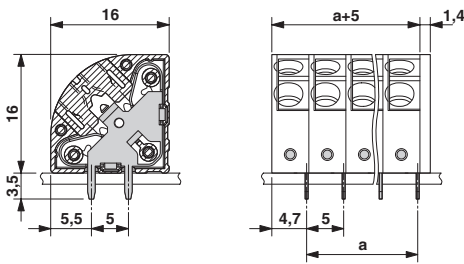
PCB terminal block with spring-cage double connection



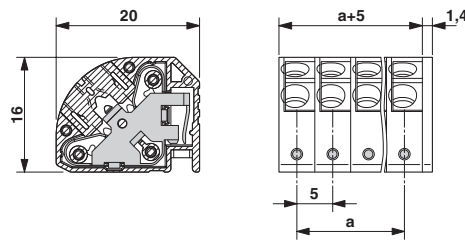
Plug with spring-cage double connection, can be plugged onto PST 1,3/...-5,0 pin strip



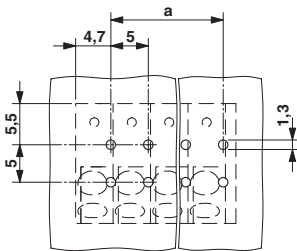
Dimensional drawing



Dimensional drawing



Drilling diagram



Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
PTDA 2,5/ 2-5,0	1725302	50
PTDA 2,5/ 3-5,0	1725315	50
PTDA 2,5/ 4-5,0	1725328	50
PTDA 2,5/ 5-5,0	1725341	50
PTDA 2,5/ 6-5,0	1725354	50
PTDA 2,5/ 7-5,0	1725367	50
PTDA 2,5/ 8-5,0	1725380	50
PTDA 2,5/ 9-5,0	1725393	50
PTDA 2,5/10-5,0	1725406	50
PTDA 2,5/11-5,0	1725419	50
PTDA 2,5/12-5,0	1725432	50
PTDA 2,5/13-5,0	1725445	50
PTDA 2,5/14-5,0	1725458	50
PTDA 2,5/15-5,0	1725471	50
PTDA 2,5/16-5,0	1725484	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
PTDA 2,5/ 2-PH-5,0	1725497	250
PTDA 2,5/ 3-PH-5,0	1725510	250
PTDA 2,5/ 4-PH-5,0	1725523	250
PTDA 2,5/ 5-PH-5,0	1725536	100
PTDA 2,5/ 6-PH-5,0	1725549	100
PTDA 2,5/ 7-PH-5,0	1725623	100
PTDA 2,5/ 8-PH-5,0	1725636	100
PTDA 2,5/ 9-PH-5,0	1725649	100
PTDA 2,5/10-PH-5,0	1725652	100
PTDA 2,5/11-PH-5,0	1725665	50
PTDA 2,5/12-PH-5,0	1725678	50
PTDA 2,5/13-PH-5,0	1725640	50
PTDA 2,5/14-PH-5,0	1725653	50
PTDA 2,5/15-PH-5,0	1725666	50
PTDA 2,5/16-PH-5,0	1725679	50