



**wiecon**  
**Printed Circuit Board Terminals**  
**Catalog 2014**





▲ Sales and Marketing Center in Bamberg



▲ Company headquarters in Bamberg



▲ STOCKO main plant in Wuppertal

# wieland group

## ACTIVE WORLDWIDE

The Wieland Group employs more than 2,000 people all around the globe. With some 15 locations and subsidiaries, and sales partners in more than 70 countries, Wieland Holding is present in nearly all important key markets worldwide.

Always with a clear commitment to the German location where most of the products are still manufactured.



*automation*

*building*

*electronics*

## The group makes us strong

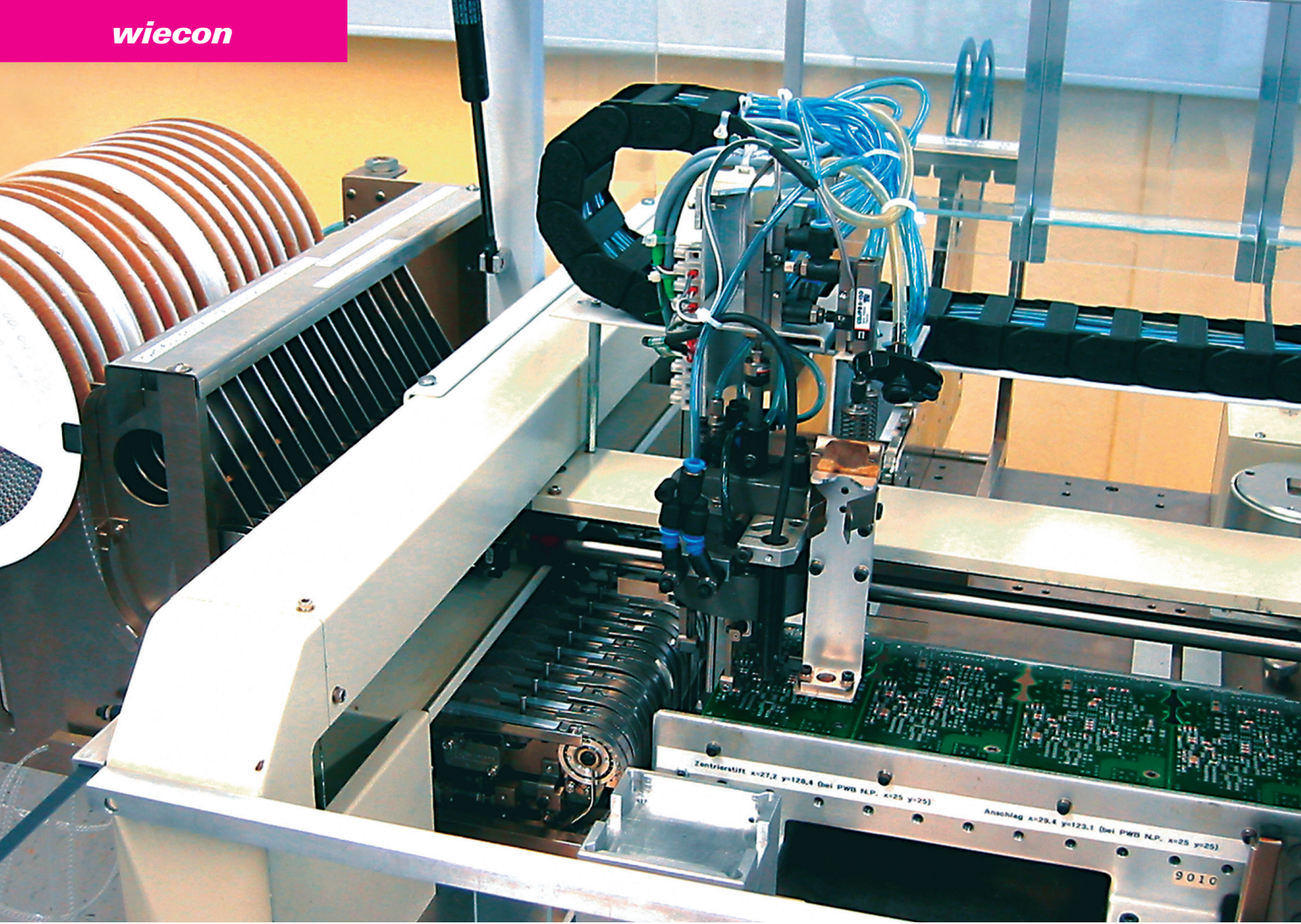
Wieland Holding is based in Bamberg, Bavaria, and comprises two independently acting subsidiaries: Wieland Electric and STOCKO Contact.

Groundbreaking innovations made Wieland Electric one of the leading suppliers of electrical connection technology. This company, founded in Bamberg in 1910, is the largest subsidiary of Wieland Holding.

STOCKO Contact is based in Wuppertal and joined the Wieland Group in 2001. Stocko has also more than 100 years of company history to its credit and is one of the largest manufacturers of connector systems and crimp contacts.

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## Perfect Performance.

Today PC boards are our daily companions. Although they often go unnoticed, they are still present in a wide range of devices, simplifying our everyday lives. The broad variety of applications in which they are used requires many different components in a myriad of designs. PC boards provide the connection between the various components located on

them. Components are fixed in their positions and can be soldered to the PC board in a variety of procedures during manufacture. Keeping manufacturing processes profitable is a continuous challenge.



## Through Hole Reflow (THR)



### Packaging

The ability to utilize automated pick and place equipment to populate the PC board with SMT/THR components offers one of the greatest savings potentials in comparison to wave soldering. That is why it is important to select packaging suitable to the feeder method and optimized for the performance of the automatic pick & place equipment. Our components are therefor available in a vaiariety of standard packaging.

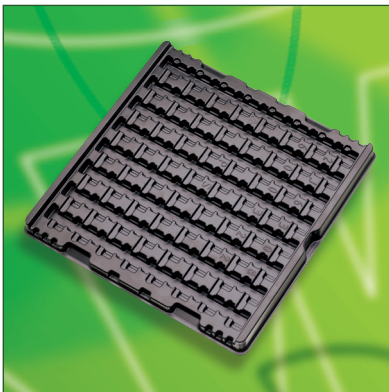
#### Box

Sampling and prototyping  
Pre-production pilot runs



#### Tape on Reel

Serial production  
Limited variation



#### Tray

Serial production  
Increased variation  
> 12 poles



#### Tube

Serial production  
Unconventionally shaped products  
(OSD)





### Systems feature

- PCB terminals with rising cage clamp connection
- PCB terminal with spring clamp connection
- PCB terminal with top connection
- terminal can be soldered directly onto PCB
- low mechanical loading of the solder area
- straight forward interconnection
- conductors can be individually sized
- various numbers of pole combinations
- connection of solid core and finely stranded conductors
- metric and imperial pitch sizes



### Marking

- ink jet printing directly onto the terminal using indelible ink
- individual terminals can be marked using snap-on marking tags
- terminals with or without marking tag carrier are available
- special marking is possible on request

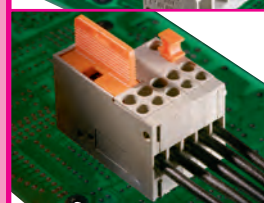
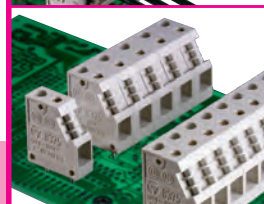
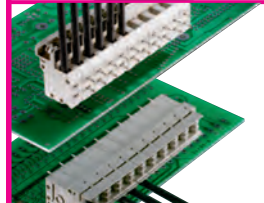
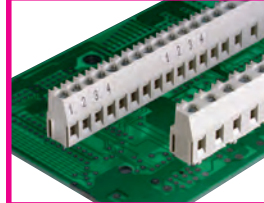
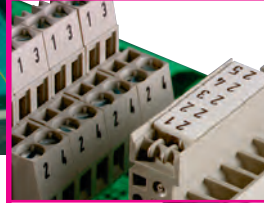
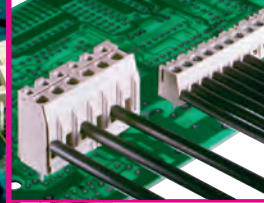
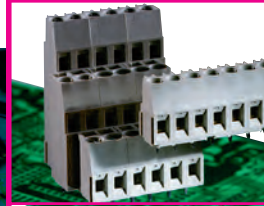
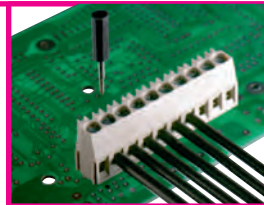
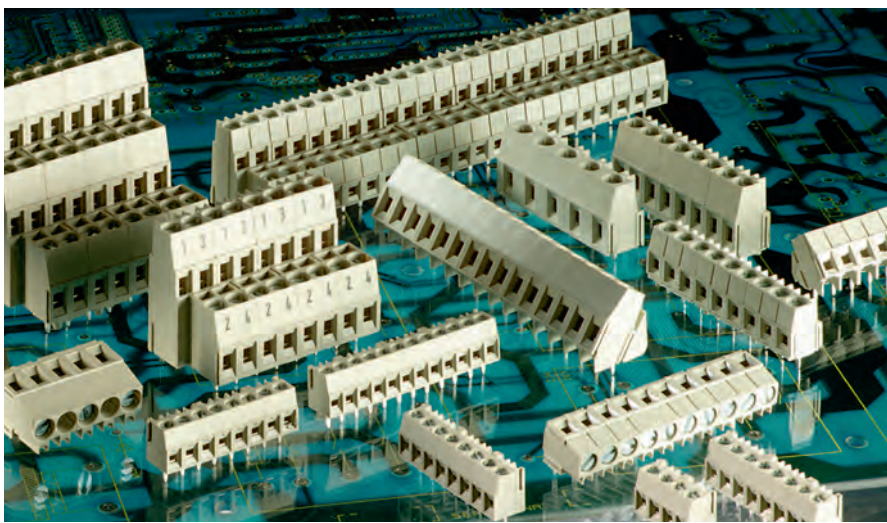


### Type range

- 2 – 24 poles
- connection of conductors horizontal and vertical in relation to the PCB
- conductors can be connected at a 45° or 35°
- metric: 3.5/5/7.5/10 mm
- imperial: 3.81/5.08/6.35/7.62/10.16/20.32 mm
- terminals snap together individually
- multipole blocks
- with or without insulating plate
- with or without testing plug connection
- with or without fixing cams
- secure connection
- the pitch can be expanded by means of an intermediate plate
- cover plate available
- double solder pins for stability



# Fixed PCB Terminals



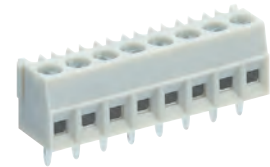
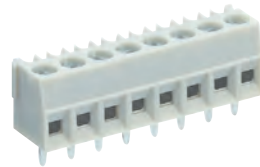




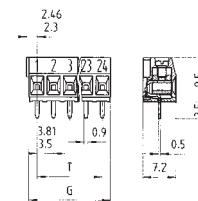
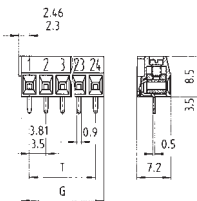
# PCB terminal series 8593 / 8893, rising cage clamp system

pitch 3.50 / 3.81 mm

IEC	160 V 2.5kV cat.3 250 V 2.5kV cat.2 690 V 2.5kV cat.1	10 A	0.14 - 1.0 mm <sup>2</sup> (Stranded) 0.14 - 1.5 mm <sup>2</sup> (Solid)
UL	300 V	10 A	30 - 16 AWG
CSA	300 V	10 A	30 - 16 AWG
Solder Pin	0.5 x 0.9 mm		
Drill Hole	1.1 mm		
Wire Strip Length	5.0 mm		
Screw Size	M2		



See Technical Data section for screw material options



Approvals:



## series 8593 pitch 3.50 mm

Box Qty	G	T	Pole
100		3.5	2
100		7.0	3
50		10.5	4
50		14.0	5
50		17.5	6
50		21.0	7
50		24.5	8
50		28.0	9
50		31.5	10
50		35.0	11
50		38.5	12
50		42.0	13
50		45.5	14
50		49.0	15
50		52.5	16

unmarked without insulating plate

Part Number
25.195.0253.0
25.195.0353.0
25.195.0453.0
25.195.0553.0
25.195.0653.0
25.195.0753.0
25.195.0853.0
25.195.0953.0
25.195.1053.0
25.195.1153.0
25.195.1253.0
25.195.1353.0
25.195.1453.0
25.195.1553.0
25.195.1653.0

marked without insulating plate

Part Number
25.194.0253.0
25.194.0353.0
25.194.0453.0
25.194.0553.0
25.194.0653.0
25.194.0753.0
25.194.0853.0
25.194.0953.0
25.194.1053.0
25.194.1153.0
25.194.1253.0
25.194.1353.0
25.194.1453.0
25.194.1553.0
25.194.1653.0

unmarked with insulating plate with locating cams

Part Number
25.195.9253.0
25.195.9353.0

marked with insulating plate with locating cams

Part Number
25.194.9253.0
25.194.9353.0

## series 8893 pitch 3.81 mm

Box Qty	G	T	Pole
100		3.81	2
100		7.62	3
50		11.43	4
50		15.24	5
50		19.05	6
50		22.86	7
50		26.67	8
50		30.48	9
50		34.29	10
50		38.10	11
50		41.91	12
50		45.72	13
50		49.53	14
50		53.34	15
50		57.15	16

unmarked without insulating plate

Part Number
25.197.0253.0
25.197.0353.0
25.197.0453.0
25.197.0553.0
25.197.0653.0
25.197.0753.0
25.197.0853.0
25.197.0953.0
25.197.1053.0
25.197.1153.0
25.197.1253.0
25.197.1353.0
25.197.1453.0
25.197.1553.0
25.197.1653.0

marked without insulating plate

Part Number
25.196.0253.0
25.196.0353.0
25.196.0453.0
25.196.0553.0
25.196.0653.0
25.196.0753.0
25.196.0853.0
25.196.0953.0
25.196.1053.0
25.196.1153.0
25.196.1253.0
25.196.1353.0
25.196.1453.0
25.196.1553.0
25.196.1653.0

unmarked with insulating plate with locating cams

Part Number
25.197.9253.0
25.197.9353.0

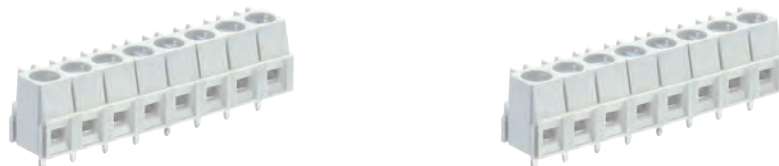
marked with insulating plate with locating cams

Part Number
25.196.9253.0
25.196.9353.0

# PCB terminal series 8192 / 8292, rising cage clamp system

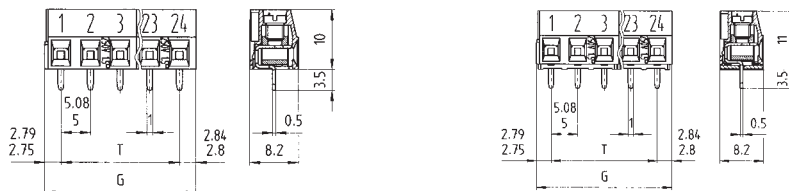
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	10 A	0.14 - 1.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A (Field) 16 A (Factory)	30 - 14 AWG
CSA	300 V	15 A	30 - 14 AWG
Solder Pin	0.5 x 1.0 mm		
Drill Hole	1.2 mm		
Wire Strip Length	6.0 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



## series 8192 pitch 5.00 mm

Box Qty	G	T	Pole
100	10.55	5	2
100	15.55	10	3
50	20.55	15	4
50	25.55	20	5
50	30.55	25	6
50	35.55	30	7
50	40.55	35	8
50	45.55	40	9
50	50.55	45	10
50	55.55	50	11
50	60.55	55	12
50	65.55	60	13
50	70.55	65	14
50	75.55	70	15
50	80.55	75	16

unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.191.0253.0	25.190.0253.0	25.191.9253.0	25.190.9253.0
25.191.0353.0	25.190.0353.0	25.191.9353.0	25.190.9353.0
25.191.0453.0	25.190.0453.0		
25.191.0553.0	25.190.0553.0		
25.191.0653.0	25.190.0653.0		
25.191.0753.0	25.190.0753.0		
25.191.0853.0	25.190.0853.0		
25.191.0953.0	25.190.0953.0		
25.191.1053.0	25.190.1053.0		
25.191.1153.0	25.190.1153.0		
25.191.1253.0	25.190.1253.0		
25.191.1353.0	25.190.1353.0		
25.191.1453.0	25.190.1453.0		
25.191.1553.0	25.190.1553.0		
25.191.1653.0	25.190.1653.0		

## series 8292 pitch 5.08 mm

Box Qty	G	T	Pole
100	10.71	5.08	2
100	15.79	10.16	3
50	20.87	15.24	4
50	25.95	20.32	5
50	31.03	25.40	6
50	36.11	30.48	7
50	41.19	35.56	8
50	46.27	40.64	9
50	51.35	45.72	10
50	56.43	50.80	11
50	61.51	55.88	12
50	66.59	60.96	13
50	71.67	66.04	14
50	76.75	71.12	15
50	81.83	76.20	16

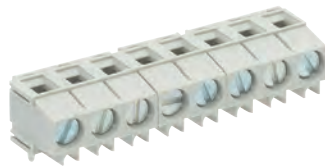
unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.193.0253.0	25.192.0253.0	25.193.9253.0	25.192.9253.0
25.193.0353.0	25.192.0353.0	25.193.9353.0	25.192.9353.0
25.193.0453.0	25.192.0453.0		
25.193.0553.0	25.192.0553.0		
25.193.0653.0	25.192.0653.0		
25.193.0753.0	25.192.0753.0		
25.193.0853.0	25.192.0853.0		
25.193.0953.0	25.192.0953.0		
25.193.1053.0	25.192.1053.0		
25.193.1153.0	25.192.1153.0		
25.193.1253.0	25.192.1253.0		
25.193.1353.0	25.192.1353.0		
25.193.1453.0	25.192.1453.0		
25.193.1553.0	25.192.1553.0		
25.193.1653.0	25.192.1653.0		

Custom Marking Available  
More poles available on request

# PCB terminal series 8192 / 8292, rising cage clamp system

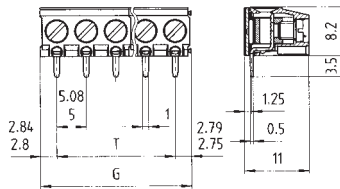
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	10 A	0.14 - 1.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A (Field) 16 A (Factory)	30 - 14 AWG
CSA	300 V	15 A	30 - 14 AWG
Solder Pin	0.5 x 1.0 mm		
Drill Hole	1.2 mm		
Wire Strip Length	6.0 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



## series 8192 ZW pitch 5.00 mm

unmarked  
without insulating plate

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10.55	5	2	25.191.6253.0			
100	15.55	10	3	25.191.6353.0			
50	20.55	15	4	25.191.6453.0			
50	25.55	20	5	25.191.6553.0			
50	30.55	25	6	25.191.6653.0			
50	35.55	30	7	25.191.6753.0			
50	40.55	35	8	25.191.6853.0			
50	45.55	40	9	25.191.6953.0			
50	50.55	45	10	25.191.7053.0			
50	55.55	50	11	25.191.7153.0			
50	60.55	55	12	25.191.7253.0			
50	65.55	60	13	25.191.7353.0			
50	70.55	65	14	25.191.7453.0			
50	75.55	70	15	25.191.7553.0			
50	80.55	75	16	25.191.7653.0			

## series 8292 ZW pitch 5.08 mm

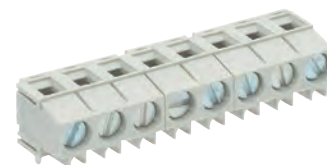
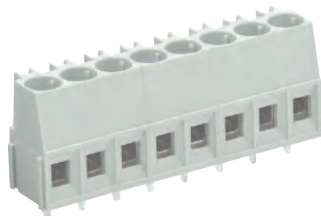
unmarked  
without insulating plate

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10.71	5.08	2	25.193.6253.0			
100	15.79	10.16	3	25.193.6353.0			
50	20.87	15.24	4	25.193.6453.0			
50	25.95	20.32	5	25.193.6553.0			
50	31.03	25.40	6	25.193.6653.0			
50	36.11	30.48	7	25.193.6753.0			
50	41.19	35.56	8	25.193.6853.0			
50	46.27	40.64	9	25.193.6953.0			
50	51.35	45.72	10	25.193.7053.0			
50	56.43	50.80	11	25.193.7153.0			
50	61.51	55.88	12	25.193.7253.0			
50	66.59	60.96	13	25.193.7353.0			
50	71.67	66.04	14	25.193.7453.0			
50	76.75	71.12	15	25.193.7553.0			
50	81.83	76.20	16	25.193.7653.0			

# PCB screw terminal series 8191 / 8291, rising cage clamp system

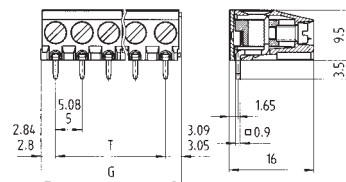
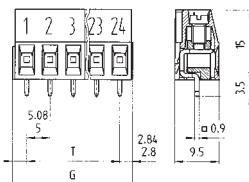
pitch 5.00/5.08 mm

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 4kV cat.1		
UL	300 V	20 A (Field) 30 A (Factory)	22 -12 AWG
	CSA	300 V	25 A
Solder Pin		0.9 x 0.9 mm	
Drill Hole		1.3 mm	
Wire Strip Length		6.5 mm	
Screw Size		M3	



See Technical Data section for screw material options

Approvals:



## series 8191 / ZW pitch 5.00 mm

Box Qty	G	T	Pole
100	10.85	5	2
100	15.85	10	3
50	20.85	15	4
50	25.85	20	5
50	30.85	25	6
50	35.85	30	7
50	40.85	35	8
50	45.85	40	9
50	50.85	45	10
50	55.85	50	11
50	60.85	55	12
50	65.85	60	13
50	70.85	65	14
50	75.85	70	15
50	80.85	75	16

unmarked without insulating plate without locating cams	marked without insulating plate without locating cams	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.161.0253.0	25.160.0253.0	25.161.6253.0	25.160.6253.0
25.161.0353.0	25.160.0353.0	25.161.6353.0	25.160.6353.0
25.161.0453.0	25.160.0453.0	25.161.6453.0	25.160.6453.0
25.161.0553.0	25.160.0553.0	25.161.6553.0	25.160.6553.0
25.161.0653.0	25.160.0653.0	25.161.6653.0	25.160.6653.0
25.161.0753.0	25.160.0753.0	25.161.6753.0	25.160.6753.0
25.161.0853.0	25.160.0853.0	25.161.6853.0	25.160.6853.0
25.161.0953.0	25.160.0953.0	25.161.6953.0	25.160.6953.0
25.161.1053.0	25.160.1053.0	25.161.7053.0	25.160.7053.0
25.161.1153.0	25.160.1153.0	25.161.7153.0	25.160.7153.0
25.161.1253.0	25.160.1253.0	25.161.7253.0	25.160.7253.0
25.161.1353.0	25.160.1353.0	25.161.7353.0	25.160.7353.0
25.161.1453.0	25.160.1453.0	25.161.7453.0	25.160.7453.0
25.161.1553.0	25.160.1553.0	25.161.7553.0	25.160.7553.0
25.161.1653.0	25.160.1653.0	25.161.7653.0	25.160.7653.0

## series 8291 / ZW pitch 5.08 mm

Box Qty	G	T	Pole
100	11.01	5.08	2
100	16.09	10.16	3
50	21.17	15.24	4
50	26.25	20.32	5
50	31.33	25.40	6
50	36.41	30.48	7
50	41.49	35.56	8
50	46.57	40.64	9
50	51.65	45.72	10
50	56.73	50.80	11
50	61.81	55.88	12
50	66.89	60.96	13
50	71.97	66.04	14
50	77.05	71.12	15
50	82.13	76.20	16

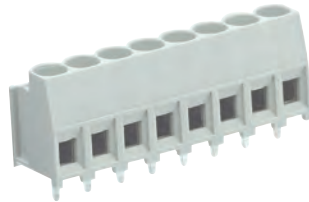
unmarked without insulating plate without locating cams	marked without insulating plate without locating cams	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.163.0253.0	25.162.0253.0	25.163.6253.0	25.162.6253.0
25.163.0353.0	25.162.0353.0	25.163.6353.0	25.162.6353.0
25.163.0453.0	25.162.0453.0	25.163.6453.0	25.162.6453.0
25.163.0553.0	25.162.0553.0	25.163.6553.0	25.162.6553.0
25.163.0653.0	25.162.0653.0	25.163.6653.0	25.162.6653.0
25.163.0753.0	25.162.0753.0	25.163.6753.0	25.162.6753.0
25.163.0853.0	25.162.0853.0	25.163.6853.0	25.162.6853.0
25.163.0953.0	25.162.0953.0	25.163.6953.0	25.162.6953.0
25.163.1053.0	25.162.1053.0	25.163.7053.0	25.162.7053.0
25.163.1153.0	25.162.1153.0	25.163.7153.0	25.162.7153.0
25.163.1253.0	25.162.1253.0	25.163.7253.0	25.162.7253.0
25.163.1353.0	25.162.1353.0	25.163.7353.0	25.162.7353.0
25.163.1453.0	25.162.1453.0	25.163.7453.0	25.162.7453.0
25.163.1553.0	25.162.1553.0	25.163.7553.0	25.162.7553.0
25.163.1653.0	25.162.1653.0	25.163.7653.0	25.162.7653.0

Custom Marking Available  
More poles available on request

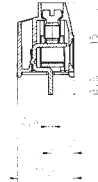
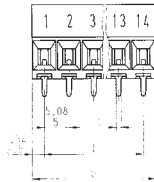
# PCB terminal series 8191 / 8291, rising cage clamp system

pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	20 A (Field) 30 A (Factory)	22 - 12 AWG
CSA	300 V	25 A	22 - 12 AWG
Solder Pin	1.0 x 0.8 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.5 mm		
Screw Size	M3		



See Technical Data section for screw material options



Approvals:



<b>series 8191 R pitch 5.00 mm</b>				unmarked with insulating plate		marked with insulating plate	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
500	10.85	5	2	25.155.0253.0	25.155.2253.0		
500	15.85	10	3	25.155.0353.0	25.155.2353.0		
250	20.85	15	4	25.155.0453.0	25.155.2453.0		
250	25.85	20	5	25.155.0553.0	25.155.2553.0		
200	30.85	25	6	25.155.0653.0	25.155.2653.0		
200	35.85	30	7	25.155.0753.0	25.155.2753.0		
100	40.85	35	8	25.155.0853.0	25.155.2853.0		
100	45.85	40	9	25.155.0953.0	25.155.2953.0		
100	50.85	45	10	25.155.1053.0	25.155.3053.0		
50	55.85	50	11	25.155.1153.0	25.155.3153.0		
50	60.85	55	12	25.155.1253.0	25.155.3253.0		
50	66.85	60	13	25.155.1353.0	25.155.3353.0		
50	70.85	65	14	25.155.1453.0	25.155.3453.0		

<b>series 8291 R pitch 5.08 mm</b>				unmarked with insulating plate		marked with insulating plate	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
500	11.01	5.08	2	25.156.0253.0	25.156.2253.0		
500	16.09	10.16	3	25.156.0353.0	25.156.2353.0		
250	21.17	15.24	4	25.156.0453.0	25.156.2453.0		
250	26.25	20.32	5	25.156.0553.0	25.156.2553.0		
200	31.33	25.40	6	25.156.0653.0	25.156.2653.0		
200	36.41	30.48	7	25.156.0753.0	25.156.2753.0		
100	41.49	35.56	8	25.156.0853.0	25.156.2853.0		
100	46.57	40.64	9	25.156.0953.0	25.156.2953.0		
100	51.56	45.72	10	25.156.1053.0	25.156.3053.0		
50	56.73	50.80	11	25.156.1153.0	25.156.3153.0		
50	61.81	55.88	12	25.156.1253.0	25.156.3253.0		
50	66.89	60.96	13	25.156.1353.0	25.156.3353.0		
50	71.97	66.04	14	25.156.1453.0	25.156.3453.0		

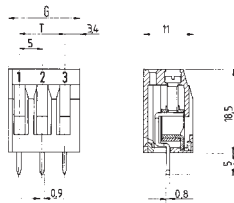
# PCB terminal series 8190, rising cage clamp system

pitch 5.00 / 10.00 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	15 A	22 - 12 AWG
CSA	300 V	10 A	22 - 14 AWG
Solder Pin	0.8 x 0.9 mm		
Drill Hole	1.2 mm		
Wire Strip Length	6.0 mm		
Screw Size	M2.5		



See Technical Data section for screw material options



Approvals:



series 8190 pitch 5.00 mm				unmarked	marked		
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10.86	5	2	25.131.0253.0	25.130.0253.0		
100	15.86	10	3	25.131.0353.0	25.130.0353.0		
50	20.86	15	4	25.131.0453.0	25.130.0453.0		
50	25.86	20	5	25.131.0553.0	25.130.0553.0		
50	30.86	25	6	25.131.0653.0	25.130.0653.0		
50	35.86	30	7	25.131.0753.0	25.130.0753.0		
50	40.86	35	8	25.131.0853.0	25.130.0853.0		
50	45.86	40	9	25.131.0953.0	25.130.0953.0		
50	50.86	45	10	25.131.1053.0	25.130.1053.0		
50	55.86	50	11	25.131.1153.0	25.130.1153.0		
50	60.86	55	12	25.131.1253.0	25.130.1253.0		
50	65.86	60	13	25.131.1353.0	25.130.1353.0		
50	70.86	65	14	25.131.1453.0	25.130.1453.0		
50	75.86	70	15	25.131.1553.0	25.130.1553.0		
50	80.86	75	16	25.131.1653.0	25.130.1653.0		

series 8190 pitch 10.00 mm				unmarked	marked	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	20.86	10	2	25.133.0253.0	25.132.0253.0		
50	30.86	20	3	25.133.0353.0	25.132.0353.0		
50	40.86	30	4	25.133.0453.0	25.132.0453.0		
50	50.86	40	5	25.133.0553.0	25.132.0553.0		
50	60.86	50	6	25.133.0653.0	25.132.0653.0		
50	70.86	60	7	25.133.0753.0	25.132.0753.0		
50	80.86	70	8	25.133.0853.0	25.132.0853.0		
50	90.86	80	9	25.133.0953.0	25.132.0953.0		
50	100.86	90	10	25.133.1053.0	25.132.1053.0		
50	110.86	100	11	25.133.1153.0	25.132.1153.0		
50	120.86	110	12	25.133.1253.0	25.132.1253.0		

Custom Marking Available  
More poles available on request

# PCB terminal series 8158, 8258 spring clamp system

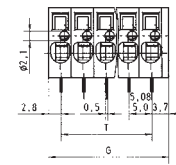
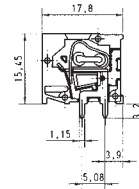
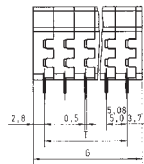
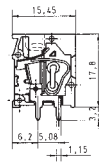
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL			22 - 12 AWG 30 - 12 AWG
CSA			22 - 12 AWG
Solder Pin			0.5 x 1.15 mm
Drill Hole			1.3 mm
Wire Strip Length			9.0 mm



See Technical Data section for screw material options

Approvals:



## series 8158 TOP V/H pitch 5.00 mm

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2	25.780.0253.0		25.790.0253.0	
100			3	25.780.0353.0		25.790.0353.0	
50			4	25.780.0453.0		25.790.0453.0	
50			5	25.780.0553.0		25.790.0553.0	
50			6	25.780.0653.0		25.790.0653.0	
50			7	25.780.0753.0		25.790.0753.0	
50			8	25.780.0853.0		25.790.0853.0	
50			9	25.780.0953.0		25.790.0953.0	
50			10	25.780.1053.0		25.790.1053.0	
50			11	25.780.1153.0		25.790.1153.0	
50			12	25.780.1253.0		25.790.1253.0	
50			13	25.780.1353.0		25.790.1353.0	
50			14	25.780.1453.0		25.790.1453.0	
50			15	25.780.1553.0		25.790.1553.0	
50			16	25.780.1653.0		25.790.1653.0	

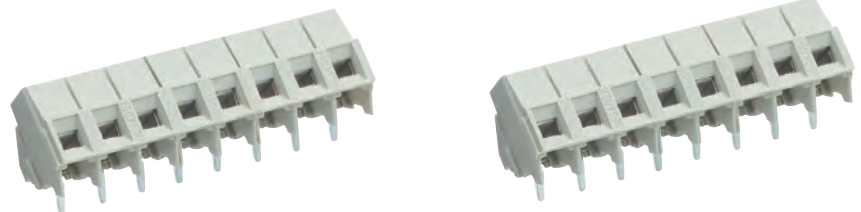
## series 8258 TOP V/H pitch 5.08 mm

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2	25.781.0253.0		25.791.0253.0	
100			3	25.781.0353.0		25.791.0353.0	
50			4	25.781.0453.0		25.791.0453.0	
50			5	25.781.0553.0		25.791.0553.0	
50			6	25.781.0653.0		25.791.0653.0	
50			7	25.781.0753.0		25.791.0753.0	
50			8	25.781.0853.0		25.791.0853.0	
50			9	25.781.0953.0		25.791.0953.0	
50			10	25.781.1053.0		25.791.1053.0	
50			11	25.781.1153.0		25.791.1153.0	
50			12	25.781.1253.0		25.791.1253.0	
50			13	25.781.1353.0		25.791.1353.0	
50			14	25.781.1453.0		25.791.1453.0	
50			15	25.781.1553.0		25.791.1553.0	
50			16	25.781.1653.0		25.791.1653.0	

# PCB terminal series 8134 / 8234, rising cage clamp system

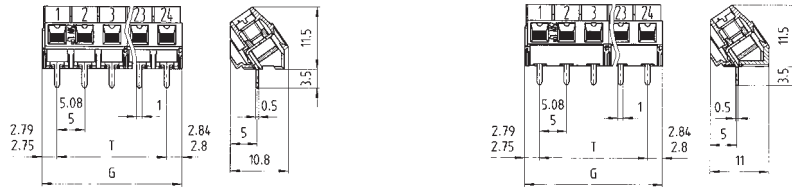
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	10 A	0.14 - 1.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A (Field) 16 A (Factory)	30 - 14 AWG
CSA	300 V	15 A	30 - 14 AWG
Solder Pin	0.5 x 1.0 mm		
Drill Hole	1.2 mm		
Wire Strip Length	6.0 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



## series 8134 pitch 5.00 mm

Box Qty	G	T	Pole
100	10.55	5	2
100	15.55	10	3
50	20.55	15	4
50	25.55	20	5
50	30.55	25	6
50	35.55	30	7
50	40.55	35	8
50	45.55	40	9
50	50.55	45	10
50	55.55	50	11
50	60.55	55	12
50	65.55	60	13
50	70.55	65	14
50	75.55	70	15
50	80.55	75	16

unmarked without insulating plate

Part Number
25.501.0253.0
25.501.0353.0
25.501.0453.0
25.501.0553.0
25.501.0653.0
25.501.0753.0
25.501.0853.0
25.501.0953.0
25.501.1053.0
25.501.1153.0
25.501.1253.0
25.501.1353.0
25.501.1453.0
25.501.1553.0
25.501.1653.0

marked without insulating plate

Part Number
25.500.0253.0
25.500.0353.0
25.500.0453.0
25.500.0553.0
25.500.0653.0
25.500.0753.0
25.500.0853.0
25.500.0953.0
25.500.1053.0
25.500.1153.0
25.500.1253.0
25.500.1353.0
25.500.1453.0
25.500.1553.0
25.500.1653.0

unmarked with insulating plate with locating cams

Part Number
25.501.6253.0
25.501.6353.0

marked with locating cams

Part Number
25.500.6253.0
25.500.6353.0

## series 8234 pitch 5.08 mm

Box Qty	G	T	Pole
100	10.71	5.08	2
100	15.79	10.16	3
50	20.87	15.24	4
50	25.95	20.32	5
50	31.03	25.40	6
50	36.11	30.48	7
50	41.19	35.56	8
50	46.27	40.64	9
50	51.35	45.72	10
50	56.42	50.80	11
50	61.51	55.88	12
50	66.59	60.96	13
50	71.67	66.04	14
50	76.75	71.12	15
50	81.83	76.20	16

unmarked without insulating plate

Part Number
25.503.0253.0
25.503.0353.0
25.503.0453.0
25.503.0553.0
25.503.0653.0
25.503.0753.0
25.503.0853.0
25.503.0953.0
25.503.1053.0
25.503.1153.0
25.503.1253.0
25.503.1353.0
25.503.1453.0
25.503.1553.0
25.503.1653.0

marked without insulating plate

Part Number
25.502.0253.0
25.502.0353.0
25.502.0453.0
25.502.0553.0
25.502.0653.0
25.502.0753.0
25.502.0853.0
25.502.0953.0
25.502.1053.0
25.502.1153.0
25.502.1253.0
25.502.1353.0
25.502.1453.0
25.502.1553.0
25.502.1653.0

unmarked with insulating plate with locating cams

Part Number
25.503.6253.0
25.503.6353.0

marked with locating cams

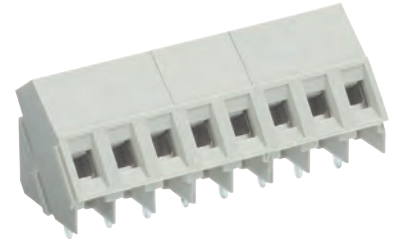
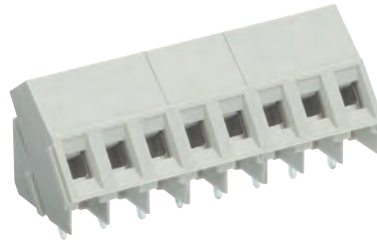
Part Number
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25.502.6353.0



# PCB terminal series 8135 / 8235, rising cage clamp system

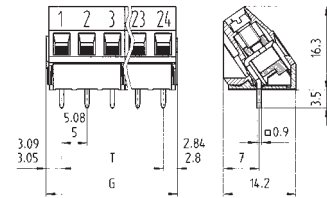
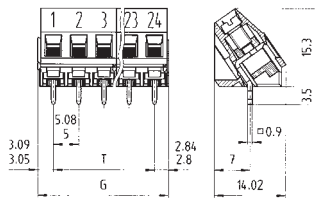
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	20 A (Field) 30 A (Factory)	22 - 12 AWG
CSA	300 V	25 A	22 - 12 AWG
Solder Pin	0.9 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.5 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



## series 8135 pitch 5.00 mm

Box Qty	G	T	Pole
100	10.85	5	2
100	15.85	10	3
50	20.85	15	4
50	25.85	20	5
50	30.85	25	6
50	35.85	30	7
50	40.85	35	8
50	45.85	40	9
50	50.85	45	10
50	55.85	50	11
50	60.85	55	12
50	65.85	60	13
50	70.85	65	14
50	75.85	70	15
50	80.85	75	16

unmarked without insulating plate		marked without insulating plate		unmarked with insulating plate with locating cams		marked with insulating plate with locating cams	
Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
25.521.0253.0	25.520.0253.0	25.521.6253.0	25.520.6253.0				
25.521.0353.0	25.520.0353.0	25.521.6353.0	25.520.6353.0				
25.521.0453.0	25.520.0453.0						
25.521.0553.0	25.520.0553.0						
25.521.0653.0	25.520.0653.0						
25.521.0753.0	25.520.0753.0						
25.521.0853.0	25.520.0853.0						
25.521.0953.0	25.520.0953.0						
25.521.1053.0	25.520.1053.0						
25.521.1153.0	25.520.1153.0						
25.521.1253.0	25.520.1253.0						
25.521.1353.0	25.520.1353.0						
25.521.1453.0	25.520.1453.0						
25.521.1553.0	25.520.1553.0						
25.521.1653.0	25.520.1653.0						

## series 8235 pitch 5.08 mm

Box Qty	G	T	Pole
100	11.01	5.08	2
100	16.09	10.16	3
50	21.17	15.24	4
50	26.25	20.32	5
50	31.33	25.40	6
50	36.41	30.48	7
50	41.49	35.56	8
50	46.57	40.64	9
50	51.65	45.72	10
50	56.73	50.80	11
50	61.81	55.88	12
50	66.89	60.96	13
50	71.97	66.04	14
50	77.05	71.12	15
50	82.13	76.20	16

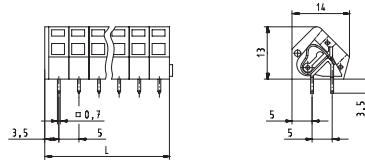
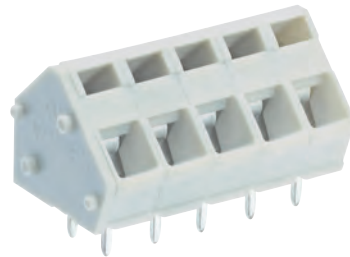
unmarked without insulating plate		marked without insulating plate		unmarked with insulating plate with locating cams		marked with insulating plate with locating cams	
Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
25.523.0253.0	25.522.0253.0	25.523.6253.0	25.522.6253.0				
25.523.0353.0	25.522.0353.0	25.523.6353.0	25.522.6353.0				
25.523.0453.0	25.522.0453.0						
25.523.0553.0	25.522.0553.0						
25.523.0653.0	25.522.0653.0						
25.523.0753.0	25.522.0753.0						
25.523.0853.0	25.522.0853.0						
25.523.0953.0	25.522.0953.0						
25.523.1053.0	25.522.1053.0						
25.523.1153.0	25.522.1153.0						
25.523.1253.0	25.522.1253.0						
25.523.1353.0	25.522.1353.0						
25.523.1453.0	25.522.1453.0						
25.523.1553.0	25.522.1553.0						
25.523.1653.0	25.522.1653.0						

Custom Marking Available  
More poles available on request

# PCB screw terminal series 8191, spring clamp system

pitch 5.00

IEC	250 V 4kV cat.3		0.08 - 2.5 mm <sup>2</sup> (Stranded) 0.08 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	16 A	28 -12 AWG
CSA	300 V	16 A	28 -18 AWG
Solder Pin			0.7 x 0.7 mm
Drill Hole			1.0 mm
Wire Strip Length			6.0 mm



Approvals:



**series 8191 FK**  
**pitch 5.00 mm**

unmarked

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10.55	5	2	27.007.3253.0			
100	15.55	10	3	27.007.3353.0			
50	20.55	15	4	27.007.3453.0			
50	25.55	20	5	27.007.3553.0			
50	30.55	25	6	27.007.3653.0			
50	35.55	30	7	27.007.3753.0			
50	40.55	35	8	27.007.3853.0			
50	45.55	40	9	27.007.3953.0			
50	50.55	45	10	27.007.4053.0			
50	55.55	50	11	27.007.4153.0			
50	60.55	55	12	27.007.4253.0			
50	65.55	60	13	27.007.4353.0			
50	70.55	65	14	27.007.4453.0			
50	75.55	70	15	27.007.4553.0			
50	80.55	75	16	27.007.4653.0			

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number



# PCB terminal series 8185 / 8285, TOP connection system

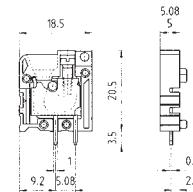
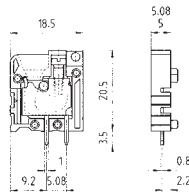
pitch 5.00/5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	20 A (Field) 25 A (Factory)	22 - 12 AWG 30 - 12 AWG
CSA	300 V	20 A	22 - 12 AWG
Solder Pin	0.8 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	9.0 mm		
Screw Size	M2.5		



See Technical Data section for screw material options

Approvals:



## series 8185 TOP V pitch 5.00 mm

Box Qty	G	T	Pole	Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
100			2	25.741.0253.0		25.741.0053.0	07.300.4753.0
100			3	25.741.0353.0			
50			4	25.741.0453.0			
50			5	25.741.0553.0			
50			6	25.741.0653.0			
50			7	25.741.0753.0			
50			8	25.741.0853.0			
50			9	25.741.0953.0			
50			10	25.741.1053.0			
50			11	25.741.1153.0			
50			12	25.741.1253.0			
50			13	25.741.1353.0			
50			14	25.741.1453.0			
50			15	25.741.1553.0			
50			16	25.741.1653.0			

## series 8285 TOP V pitch 5.08 mm

Box Qty	G	T	Pole	Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
100			2	25.751.0253.0		25.751.0053.0	07.300.4753.0
100			3	25.751.0353.0			
50			4	25.751.0453.0			
50			5	25.751.0553.0			
50			6	25.751.0653.0			
50			7	25.751.0753.0			
50			8	25.751.0853.0			
50			9	25.751.0953.0			
50			10	25.751.1053.0			
50			11	25.751.1153.0			
50			12	25.751.1253.0			
50			13	25.751.1353.0			
50			14	25.751.1453.0			
50			15	25.751.1553.0			
50			16	25.751.1653.0			

# PCB terminal series 8185 / 8285, TOP connection system

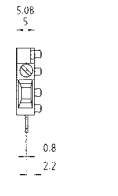
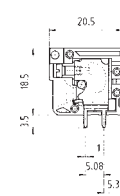
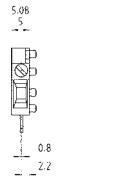
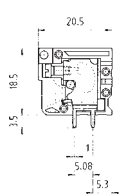
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	20 A (Field) 25 A (Factory)	22 - 12 AWG 30 - 12 AWG
CSA	300 V	20 A	22 - 12 AWG
Solder Pin	0.8 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	9.0 mm		
Screw Size	M2.5		



See Technical Data section for screw material options

Approvals:



## series 8185 TOP H pitch 5.00 mm

Box Qty	G	T	Pole	Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
100			2	25.741.3253.0		25.741.0153.0	07.300.4753.0
100			3	25.741.3353.0			
50			4	25.741.3453.0			
50			5	25.741.3553.0			
50			6	25.741.3653.0			
50			7	25.741.3753.0			
50			8	25.741.3853.0			
50			9	25.741.3953.0			
50			10	25.741.4053.0			
50			11	25.741.4153.0			
50			12	25.741.4253.0			
50			13	25.741.4353.0			
50			14	25.741.4453.0			
50			15	25.741.4553.0			
50			16	25.741.4653.0			

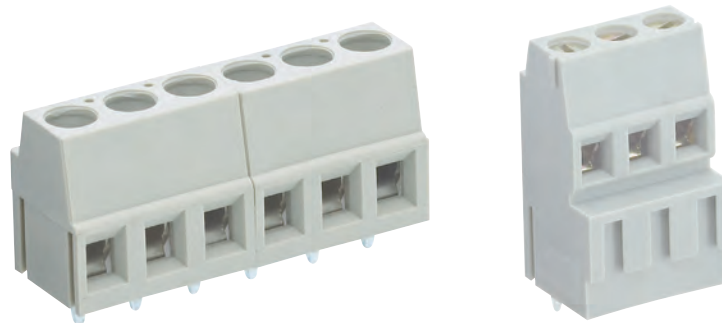
## series 8285 TOP H pitch 5.08 mm

Box Qty	G	T	Pole	Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
100			2	25.751.3253.0		25.751.0153.0	07.300.4753.0
100			3	25.751.3353.0			
50			4	25.751.3453.0			
50			5	25.751.3553.0			
50			6	25.751.3653.0			
50			7	25.751.3753.0			
50			8	25.751.3853.0			
50			9	25.751.3953.0			
50			10	25.751.4053.0			
50			11	25.751.4153.0			
50			12	25.751.4253.0			
50			13	25.751.4353.0			
50			14	25.751.4453.0			
50			15	25.751.4553.0			
50			16	25.751.4653.0			

# PCB terminal series 8292, rising cage clamp system

pitch 5.08 mm

IEC	250 V 4kV cat.3	15 A	0.5 - 1.5 mm <sup>2</sup> (Stranded)
	250 V 4kV cat.2		0.5 - 1.5 mm <sup>2</sup> (Solid)
	500 V 4kV cat.1		
UL	300 V	10 A	24 - 14 AWG
CSA	300 V	10 A	24 - 14 AWG
Solder Pin	0.8 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.0 mm		
Screw Size	M2.5		



See Technical Data section for screw material options

Approvals:



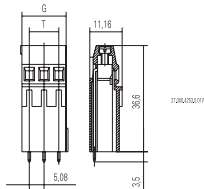
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 8292 H / DH pitch 5.08 mm				unmarked		unmarked	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10.16	5.08	2	27.000.0253.0		27.000.2253.0	
100	15.24	10.16	3	27.000.0353.0		27.000.2353.0	

# PCB terminal series 8292, rising cage clamp system

pitch 5.08 mm

IEC	250 V 4kV cat.3 250 V 4kV cat.2 500 V 4kV cat.1	15 A	0.5 - 1.5 mm <sup>2</sup> (Stranded) 0.5 - 1.5 mm <sup>2</sup> (Solid)
UL	300 V	10 A	24 - 14 AWG
CSA	300 V	10 A	24 - 14 AWG
Solder Pin	0.8 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.0 mm		
Screw Size	M2.5		



See Technical Data section for screw material options

Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 8292 EH pitch 5.08 mm				unmarked			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10.16	5.08	2	27.000.4253.0			
100	15.24	10.16	3	27.000.4353.0			

# PCB terminal series 8192 / 8292, rising cage clamp system

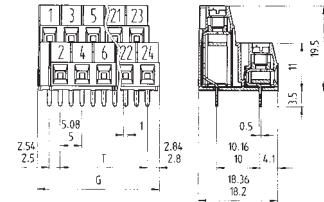
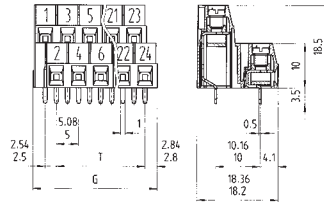
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	10 A	0.14 - 1.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A (Field) 16 A (Factory)	30 - 14 AWG
CSA	300 V	15 A	30 - 14 AWG
Solder Pin	0.5 x 1.0 mm		
Drill Hole	1.2 mm		
Wire Strip Length	6.0 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



## series 8192 E pitch 5.00 mm

Box Qty	G	T	Pole
50	13.05	5	4
50	18.05	10	6
50	23.05	15	8
50	28.05	20	10
50	33.05	25	12
50	38.05	30	14
50	43.05	35	16
50	48.05	40	18
50	53.05	45	20
50	58.05	50	22
50	63.05	55	24

unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.198.5253.0	25.198.0253.0	25.198.9253.0	25.198.4253.0
25.198.5353.0	25.198.0353.0	25.198.9353.0	25.198.4353.0
25.198.5453.0	25.198.0453.0		
25.198.5553.0	25.198.0553.0		
25.198.5653.0	25.198.0653.0		
25.198.5753.0	25.198.0753.0		
25.198.5853.0	25.198.0853.0		
25.198.5953.0	25.198.0953.0		
25.198.6053.0	25.198.1053.0		
25.198.6153.0	25.198.1153.0		
25.198.6253.0	25.198.1253.0		

## series 8292 E pitch 5.08 mm

Box Qty	G	T	Pole
50	13.25	5.08	4
50	18.33	10.16	6
50	23.41	15.24	8
50	28.49	20.32	10
50	33.57	25.40	12
50	38.65	30.48	14
50	43.73	35.56	16
50	48.81	40.64	18
50	53.89	45.72	20
50	58.97	50.80	22
50	64.05	55.88	24

unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.199.5253.0	25.199.0253.0	25.199.9253.0	25.199.4253.0
25.199.5353.0	25.199.0353.0	25.199.9353.0	25.199.4353.0
25.199.5453.0	25.199.0453.0		
25.199.5553.0	25.199.0553.0		
25.199.5653.0	25.199.0653.0		
25.199.5753.0	25.199.0753.0		
25.199.5853.0	25.199.0853.0		
25.199.5953.0	25.199.0953.0		
25.199.6053.0	25.199.1053.0		
25.199.6153.0	25.199.1153.0		
25.199.6253.0	25.199.1253.0		

Custom Marking Available  
More poles available on request



# PCB terminal series 8191 / 8291, rising cage clamp system

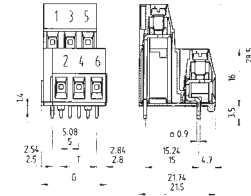
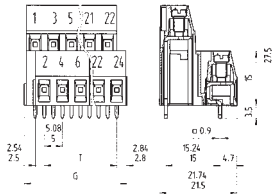
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	20 A (Field) 30 A (Factory)	22 - 12 AWG
CSA	300 V	25 A	22 - 12 AWG
Solder Pin	0.9 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.5 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



series 8191 E pitch 5.00 mm				unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	13.05	5	4	25.178.5253.0	25.178.0253.0	25.178.9253.0	25.178.4253.0
50	18.05	10	6	25.178.5353.0	25.178.0353.0	25.178.9353.0	25.178.4353.0
50	23.05	15	8	25.178.5453.0	25.178.0453.0		
50	28.05	20	10	25.178.5553.0	25.178.0553.0		
50	33.05	25	12	25.178.5653.0	25.178.0653.0		
50	38.05	30	14	25.178.5753.0	25.178.0753.0		
50	43.05	35	16	25.178.5853.0	25.178.0853.0		
50	48.05	40	18	25.178.5953.0	25.178.0953.0		
50	53.05	45	20	25.178.6053.0	25.178.1053.0		
50	58.05	50	22	25.178.6153.0	25.178.1153.0		
50	63.05	55	24	25.178.6253.0	25.178.1253.0		

series 8291 E pitch 5.08 mm				unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	13.25	5.08	4	25.179.5253.0	25.179.0253.0	25.179.9253.0	25.179.4253.0
50	18.33	10.16	6	25.179.5353.0	25.179.0353.0	25.179.9353.0	25.179.4353.0
50	23.41	15.24	8	25.179.5453.0	25.179.0453.0		
50	28.49	20.32	10	25.179.5553.0	25.179.0553.0		
50	33.57	25.40	12	25.179.5653.0	25.179.0653.0		
50	38.65	30.48	14	25.179.5753.0	25.179.0753.0		
50	43.73	35.56	16	25.179.5853.0	25.179.0853.0		
50	48.81	40.64	18	25.179.5953.0	25.179.0953.0		
50	53.89	45.72	20	25.179.6053.0	25.179.1053.0		
50	58.97	50.80	22	25.179.6153.0	25.179.1153.0		
50	64.05	55.88	24	25.179.6253.0	25.179.1253.0		

Custom Marking Available  
More poles available on request





# PCB terminal series 8191 / 8291, rising cage clamp system

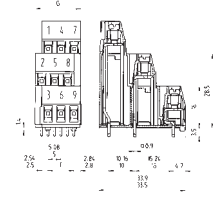
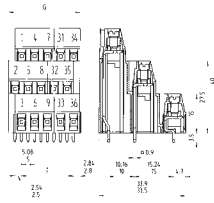
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	20 A (Field) 30 A (Factory)	22 - 12 AWG
CSA	300 V	25 A	22 - 12 AWG
Solder Pin	0.9 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.5 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



series 8191 D pitch 5.00 mm				unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	12.8	5	6	25.180.5253.0	25.180.0253.0	25.180.9253.0	25.180.4253.0
50	17.8	10	9	25.180.5353.0	25.180.0353.0	25.180.9353.0	25.180.4353.0
50	22.8	15	12	25.180.5453.0	25.180.0453.0		
50	27.8	20	15	25.180.5553.0	25.180.0553.0		
50	32.8	25	18	25.180.5653.0	25.180.0653.0		
50	37.8	30	21	25.180.5753.0	25.180.0753.0		
50	42.8	35	24	25.180.5853.0	25.180.0853.0		
50	47.8	40	27	25.180.5953.0	25.180.0953.0		
50	52.8	45	30	25.180.6053.0	25.180.1053.0		
50	57.8	50	33	25.180.6153.0	25.180.1153.0		
50	62.8	55	36	25.180.6253.0	25.180.1253.0		

series 8291 D pitch 5.08 mm				unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	12.70	5.08	6	25.181.5253.0	25.181.0253.0	25.181.9253.0	25.181.4253.0
50	17.78	10.16	9	25.181.5353.0	25.181.0353.0	25.181.9353.0	25.181.4353.0
50	22.86	15.24	12	25.181.5453.0	25.181.0453.0		
50	27.94	20.32	15	25.181.5553.0	25.181.0553.0		
50	33.02	25.40	18	25.181.5653.0	25.181.0653.0		
50	38.10	30.48	21	25.181.5753.0	25.181.0753.0		
50	43.18	35.56	24	25.181.5853.0	25.181.0853.0		
50	48.26	40.64	27	25.181.5953.0	25.181.0953.0		
50	53.34	45.72	30	25.181.6053.0	25.181.1053.0		
50	58.42	50.80	33	25.181.6153.0	25.181.1153.0		
50	63.50	55.88	36	25.181.6253.0	25.181.1253.0		

Custom Marking Available  
More poles available on request





# PCB terminal series 7386, TOP connection system

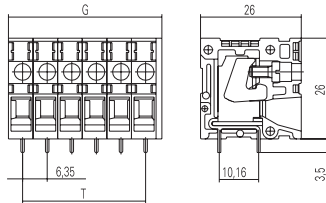
pitch 6.35 mm

IEC	320 V 4kV cat.3	36 A	0.50 - 4.0 mm <sup>2</sup> (Stranded)
	320 V 4kV cat.2		0.50 - 6.0 mm <sup>2</sup> (Solid)
	320 V 4kV cat.1		
UL	300 V	30 A	22 - 10 AWG
CSA	300 V	30 A	22 - 10 AWG
Solder Pin	0.8 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	13.0 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 7386 TOP H pitch 6.35 mm				unmarked			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	14.20	6.35	2	27.714.0253.0			
50	20.55	12.70	3	27.714.0353.0			
50	26.90	19.05	4	27.714.0453.0			
50	33.25	25.40	5	27.714.0553.0			
50	39.60	31.75	6	27.714.0653.0			
50	45.95	38.10	7	27.714.0753.0			
50	52.30	44.45	8	27.714.0853.0			

# PCB terminal series 8391 / 8491, rising cage clamp system

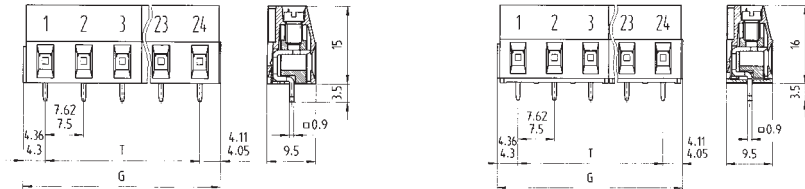
pitch 7.50 / 7.62 mm

IEC	400 V 6kV cat.3	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	1000 V 6kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 6kV cat.1		
UL	300 V	20 A (Field)	22 - 12 AWG
		30 A (Factory)	
CSA	300 V	25 A	22 - 12 AWG
Solder Pin	0.9 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.5 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



<b>series 8391</b> pitch 7.50 mm				unmarked without insulating plate	marked with insulating plate without locating cams	unmarked with insulating plate with locating cams	marked without insulating plate
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	15.85	7.50	2	25.165.0253.0	25.165.3253.0	25.175.0253.0	25.164.0253.0
100	23.35	15.0	3	25.165.0353.0	25.165.3353.0	25.175.0353.0	25.164.0353.0

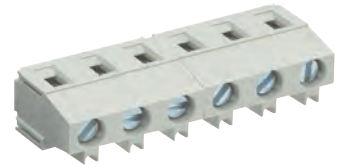
<b>series 8491</b> pitch 7.62 mm				unmarked without insulating plate	marked with insulating plate without locating cams	unmarked with insulating plate with locating cams	marked without insulating plate
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	16.09	7.62	2	25.167.0253.0	25.167.3253.0	25.177.0253.0	25.166.0253.0
100	23.71	15.24	3	25.167.0353.0	25.167.3353.0	25.177.0353.0	25.166.0353.0



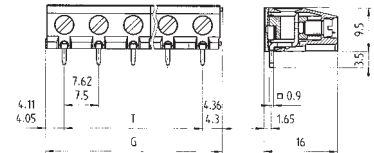
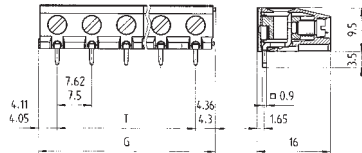
# PCB terminal series 8391 / 8491, rising cage clamp system

pitch 7.50 / 7.62 mm

IEC	400 V 6kV cat.3	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	1000 V 6kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 6kV cat.1		
UL	300 V	20 A (Field)	22 - 12 AWG
		30 A (Factory)	
CSA	300 V	25 A	22 - 12 AWG
Solder Pin	0.9 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.5 mm		
Screw Size	M3		



See Technical Data section for screw material options



Approvals:



<b>series 8391 ZW pitch 7.50 mm</b>				unmarked with insulating plate without locating cams	marked with insulating plate with locating cams	unmarked with insulating plate	marked with insulating plate
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	15.85	7.50	2	25.164.3253.0	25.174.0253.0	25.165.6253.0	25.164.6253.0
100	23.35	15.0	3	25.164.3353.0	25.174.0353.0	25.165.6353.0	25.164.6353.0

<b>series 8491 ZW pitch 7.62 mm</b>				unmarked with insulating plate without locating cams	marked with insulating plate with locating cams	unmarked with insulating plate	marked with insulating plate
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	16.09	7.62	2	25.166.3253.0	25.176.0253.0	25.167.6253.0	25.166.6253.0
100	23.71	15.24	3	25.166.3353.0	25.176.0353.0	25.167.6353.0	25.166.6353.0

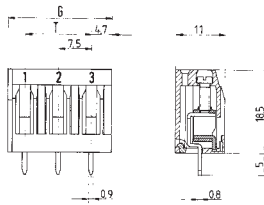
# PCB terminal series 8390, rising cage clamp system

pitch 7.50 mm

IEC	500 V 6kV cat.3	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	1000 V 6kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 6kV cat.1		
UL	300 V	15 A	22 - 12 AWG
CSA	300 V	10 A	22 - 14 AWG
Solder Pin	0.8 x 0.9 mm		
Drill Hole	1.2 mm		
Wire Strip Length	6.5 mm		
Screw Size	M2.5		



See Technical Data section for screw material options



Approvals:



series 8390 pitch 7.50 mm				unmarked	marked		
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	15.86	7.5	2	25.151.0253.0	25.150.0253.0		
100	23.36	15.0	3	25.151.0353.0	25.150.0353.0		
50	30.86	22.5	4	25.151.0453.0	25.150.0453.0		
50	38.36	30.0	5	25.151.0553.0	25.150.0553.0		
50	45.86	37.5	6	25.151.0653.0	25.150.0653.0		
50	53.36	45.0	7	25.151.0753.0	25.150.0753.0		
50	60.86	52.5	8	25.151.0853.0	25.150.0853.0		
50	68.36	60.0	9	25.151.0953.0	25.150.0953.0		
50	75.86	67.5	10	25.151.1053.0	25.150.1053.0		
50	83.36	75.0	11	25.151.1153.0	25.150.1153.0		
50	90.86	82.5	12	25.151.1253.0	25.150.1253.0		

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number



# PCB terminal series 8385 / 8485, TOP connection system

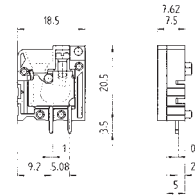
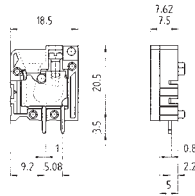
pitch 7.50 / 7.62 mm

IEC	400 V 4kV cat.3	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	1000 V 4kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 4kV cat.1		
UL	300 V	20 A (Field)	22 - 12 AWG
		25 A (Factory)	30 - 12 AWG
CSA	300 V	25 A	22 - 12 AWG
Solder Pin		0.8 x 1.0 mm	
Drill Hole		1.3 mm	
Wire Strip Length		9.0 mm	
Screw Size		M2.5	



See Technical Data section for screw material options

Approvals:



series 8385 TOP V pitch 7.50 mm				Individual poles connected in series (1 pole)		Individual poles connected in series (end plate)	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2	25.761.0253.0		25.761.0053.0	07.300.4753.0
100			3	25.761.0353.0			
50			4	25.761.0453.0			
50			5	25.761.0553.0			
50			6	25.761.0653.0			
50			7	25.761.0753.0			
50			8	25.761.0853.0			

series 8485 TOP V pitch 7.62 mm				Individual poles connected in series (1 pole)		Individual poles connected in series (end plate)	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2	25.771.0253.0		25.771.0053.0	07.300.4753.0
100			3	25.771.0353.0			
50			4	25.771.0453.0			
50			5	25.771.0553.0			
50			6	25.771.0653.0			
50			7	25.771.0753.0			
50			8	25.771.0853.0			

# PCB terminal series 8385 / 8485, TOP connection system

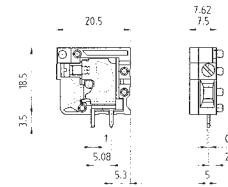
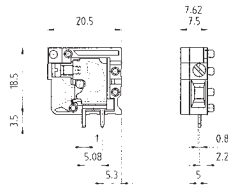
pitch 7.50 / 7.62 mm

IEC	400 V <sup>6kV cat.3</sup> 1000 V <sup>6kV cat.2</sup> 1000 V <sup>6kV cat.1</sup>	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	20 A (Field) 25 A (Factory)	22 - 12 AWG 30 - 12 AWG
CSA	300 V	25 A	22 - 12 AWG
Solder Pin	0.8 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	9.0 mm		
Screw Size	M2.5		



See Technical Data section for screw material options

Approvals:



<b>series 8385 TOP H</b> pitch 7.50 mm				Individual poles connected in series (1 pole)		Individual poles connected in series (end plate)	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2	25.761.3253.0		25.761.0153.0	07.300.4753.0
100			3	25.761.3353.0			
50			4	25.761.3453.0			
50			5	25.761.3553.0			
50			6	25.761.3653.0			
50			7	25.761.3753.0			
50			8	25.761.3853.0			

<b>series 8485 TOP H</b> pitch 7.62 mm				Individual poles connected in series (1 pole)		Individual poles connected in series (end plate)	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2	25.771.3253.0		25.771.0153.0	07.300.4753.0
100			3	25.771.3353.0			
50			4	25.771.3453.0			
50			5	25.771.3553.0			
50			6	25.771.3653.0			
50			7	25.771.3753.0			
50			8	25.771.3853.0			

# PCB terminal series 8486, TOP connection system

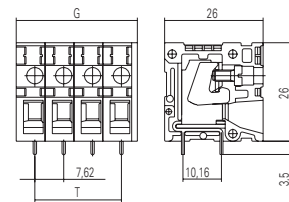
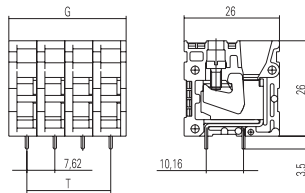
pitch 7.62 mm

IEC	500 V 4kV cat.3	36 A	0.50 - 4.0 mm <sup>2</sup> (Stranded)
	630 V 4kV cat.2		0.50 - 6.0 mm <sup>2</sup> (Solid)
	1000 V 4kV cat.1		
UL	300 V	30 A	22 - 10 AWG
CSA	300 V	30 A	22 - 10 AWG
Solder Pin	0.8 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	13 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 8486 TOP V/H pitch 7.62 mm				unmarked		unmarked	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	16.74	7.62	2	27.703.0253.0		27.713.0253.0	
50	24.36	15.24	3	27.703.0353.0		27.713.0353.0	
50	31.98	22.86	4	27.703.0453.0		27.713.0453.0	

# PCB terminal series 8358, 8458 spring clamp system

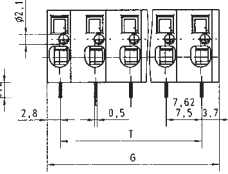
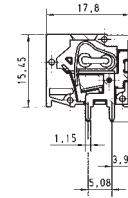
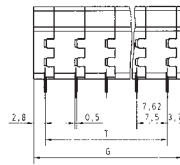
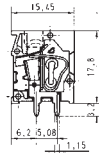
pitch 7.50 / 7.62 mm

IEC	400 V 6kV cat.3 1000 V 6kV cat.2 1000 V 6kV cat.1	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL			22 - 12 AWG 30 - 12 AWG
CSA			22 - 12 AWG
Solder Pin			0.5 x 1.15 mm
Drill Hole			1.3 mm
Wire Strip Length			9.0 mm



See Technical Data section for screw material options

Approvals:



## series 8358 TOP V/H pitch 7.50 mm

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2	25.782.0253.0		25.792.0253.0	
100			3	25.782.0353.0		25.792.0353.0	
50			4	25.782.0453.0		25.792.0453.0	
50			5	25.782.0553.0		25.792.0553.0	
50			6	25.782.0653.0		25.792.0653.0	
50			7	25.782.0753.0		25.792.0753.0	
50			8	25.782.0853.0		25.792.0853.0	
50			9	25.782.0953.0		25.792.0953.0	
50			10	25.782.1053.0		25.792.1053.0	
50			11	25.782.1153.0		25.792.1153.0	
50			12	25.782.1253.0		25.792.1253.0	
50			13	25.782.1353.0		25.792.1353.0	
50			14	25.782.1453.0		25.792.1453.0	
50			15	25.782.1553.0		25.792.1553.0	
50			16	25.782.1653.0		25.792.1653.0	

## series 8458 TOP V/H pitch 7.62 mm

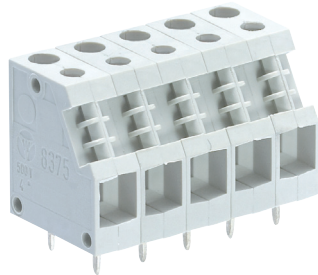
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2	25.783.0253.0		25.793.0253.0	
100			3	25.783.0353.0		25.793.0353.0	
50			4	25.783.0453.0		25.793.0453.0	
50			5	25.783.0553.0		25.793.0553.0	
50			6	25.783.0653.0		25.793.0653.0	
50			7	25.783.0753.0		25.793.0753.0	
50			8	25.783.0853.0		25.793.0853.0	
50			9	25.783.0953.0		25.793.0953.0	
50			10	25.783.1053.0		25.793.1053.0	
50			11	25.783.1153.0		25.793.1153.0	
50			12	25.783.1253.0		25.793.1253.0	
50			13	25.783.1353.0		25.793.1353.0	
50			14	25.783.1453.0		25.793.1453.0	
50			15	25.783.1553.0		25.793.1553.0	
50			16	25.783.1653.0		25.793.1653.0	

Custom Marking Available  
More poles available on request

# PCB terminal series 8375, rising cage clamp system

pitch 7.50 / 10.00 mm

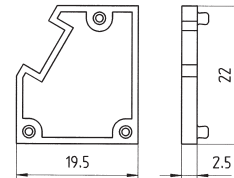
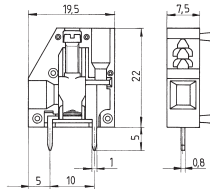
IEC	500 V 6kV cat.3	30 A	0.14 - 4.0 mm <sup>2</sup> (Stranded)
	1000 V 6kV cat.2		0.14 - 6.0 mm <sup>2</sup> (Solid)
	1000 V 6kV cat.1		
UL	300 V	30 A (Field)	22 - 10 AWG
		35 A (Factory)	30 - 10 AWG
CSA	300 V	30 A	22 - 10 AWG



Solder Pin	0.8 x 1.0 mm
Drill Hole	1.3 mm
Wire Strip Length	9.0 mm
Screw Size	M3

See Technical Data section for screw material options

Approvals:



series 8375				
pitch 7.50 mm				
Box Qty	G	T	Pole	Part Number
100			1	25.700.0153.0
100			2	25.700.0253.0

Pitch intermediate plate				
increase pitch 10.00 mm				
Box Qty	G	T	Pole	Part Number
50			1	07.300.2753.0

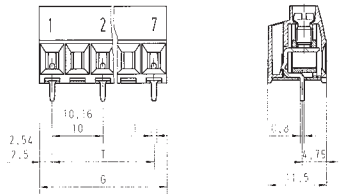
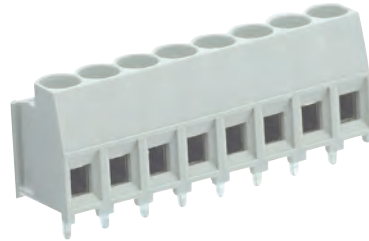
Custom Marking Available  
More poles available on request



# PCB terminal series 8191 / 8291, rising cage clamp system

pitch 10.00 / 10.16 mm

IEC	690 V <small>8kV cat.3</small> 1000 V <small>8kV cat.2</small> 1000 V <small>8kV cat.1</small>	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	600 V	20 A (Field) 30 A (Factory)	22 - 12 AWG
CSA	600 V	25 A	22 - 12 AWG
Solder Pin	0.9 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.5 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



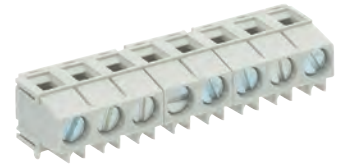
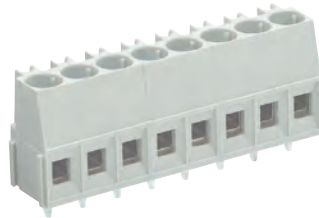
<b>series 8191 R</b> <b>pitch 10.00 mm</b>				unmarked with insulating plate	marked with insulating plate	Part Number	Part Number
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
500	15	10	2	25.157.0253.0	25.157.1253.0		
250	25	20	3	25.157.0353.0	25.157.1353.0		
200	35	30	4	25.157.0453.0	25.157.1453.0		
100	45	40	5	25.157.0553.0	25.157.1553.0		
50	55	50	6	25.157.0653.0	25.157.1653.0		
50	65	60	7	25.157.0753.0	25.157.1753.0		

<b>series 8291 R</b> <b>pitch 10.16 mm</b>				unmarked with insulating plate	marked with insulating plate	Part Number	Part Number
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
500	15.24	10.16	2	25.157.4253.0	25.157.5253.0		
250	25.40	20.32	3	25.157.4353.0	25.157.5353.0		
200	35.56	30.48	4	25.157.4453.0	25.157.5453.0		
100	45.72	40.64	5	25.157.4553.0	25.157.5553.0		
50	55.88	50.80	6	25.157.4653.0	25.157.5653.0		
50	66.04	60.96	7	25.157.4753.0	25.157.5753.0		

# PCB screw terminal series 8191 / 8291, rising cage clamp system

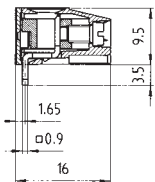
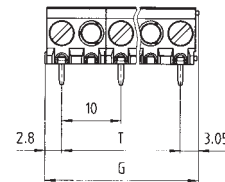
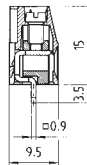
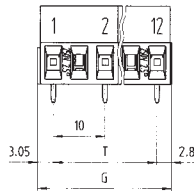
pitch 10.00 mm

IEC	690 V 8kV cat.3	16 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	1000 V 8kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 8kV cat.1		
UL	300 V	20 A (Field)	22 -12 AWG
		30 A (Factory)	
CSA	300 V	25 A	22 -12 AWG
Solder Pin	0.9 x 0.9 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6.5 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



series 8191 / ZW pitch 10.00 mm				unmarked without insulating plate without locating cams	marked without insulating plate without locating cams	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	15.85	10	2	25.169.0253.0	25.168.0253.0	25.169.4253.0	25.168.4253.0
50	25.85	20	3	25.169.0353.0	25.168.0353.0	25.169.4353.0	25.168.4353.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

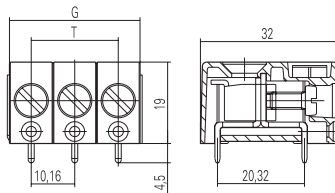
# PCB screw terminal series 7573, rising cage clamp system

pitch 10.16 mm

IEC	400 V 6kV cat.3 690 V 6kV cat.2 1000 V 6kV cat.1	59 A	0.50 - 10.0 mm <sup>2</sup> (Stranded) 0.50 - 10.0 mm <sup>2</sup> (Solid)
UL	300 V	50 A	22 - 8 AWG
CSA	300 V	50 A	22 - 8 AWG
Solder Pin	1.2 x 1.4 mm		
Drill Hole	1.6 mm		
Wire Strip Length	10.0 mm		
Screw Size	M4		



See Technical Data section for screw material options



Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 7573 L2/W pitch 10.16 mm				unmarked			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	10.16		1	27.002.6153.0			
50	30.48	20.32	3	27.002.6353.0			
50	40.64	30.48	4	27.002.6453.0			

# PCB terminal series 7572, rising cage clamp system

pitch 10.16 mm

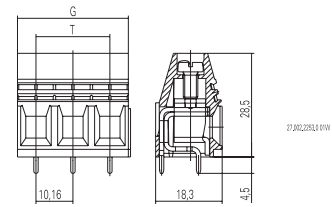
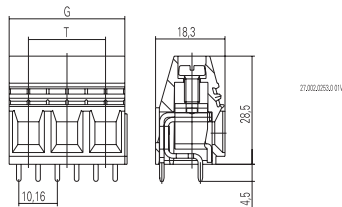
IEC	250 V 4kV cat.3	57 A	0.50 - 10.0 mm <sup>2</sup> (Stranded)
	400 V 4kV cat.2		0.50 - 16.0 mm <sup>2</sup> (Solid)
	630 V 4kV cat.1		
UL	300 V (Field)	10 A (Field)	22 - 8 AWG
	150 V (Factory)	40 A (Factory)	
CSA	300 V	50 A	22 - 8 AWG

Solder Pin	1.2 x 1.2 mm
Drill Hole	1.6 mm
Wire Strip Length	12.0 mm
Screw Size	M4



See Technical Data section for screw material options

Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 7572 L4/L2 pitch 10.16 mm				unmarked		unmarked	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	20.32	10.16	2	27.002.0253.0		27.002.2253.0	
50	30.48	20.32	3	27.002.0353.0		27.002.2353.0	

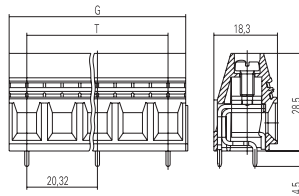
# PCB terminal series 7572, rising cage clamp system

pitch 20.32 mm

IEC	1000 V <small>8kV cat.3</small>	57 A	0.50 - 10.0 mm <sup>2</sup> (Stranded) 0.50 - 16.0 mm <sup>2</sup> (Solid)
UL	600 V	60 A	22 - 6 AWG
CSA		50 A	22 - 8 AWG
Solder Pin			1.2 x 1.2 mm
Drill Hole			1.6 mm
Wire Strip Length			12.0 mm
Screw Size			M4



See Technical Data section for screw material options



Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 7572 L2 pitch 20.32 mm				unmarked			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	30.48	20.32	2	27.002.4253.0			
50	50.64	40.48	3	27.002.4353.0			



### Systems feature

- screw connection is easy to operate
- plug in system easy to service
- easily detachable connection
- number of poles 2 – 24
- clear straight forward interconnection
- horizontal and vertical configurations
- individually matched to the relevant application
- terminal clamping part with wire protection



### Marking

- ink jet printing directly onto the terminal using indelible ink
- clear pole marking which is easy to read
- special marking is possible on request
- economical marking directly onto the terminal

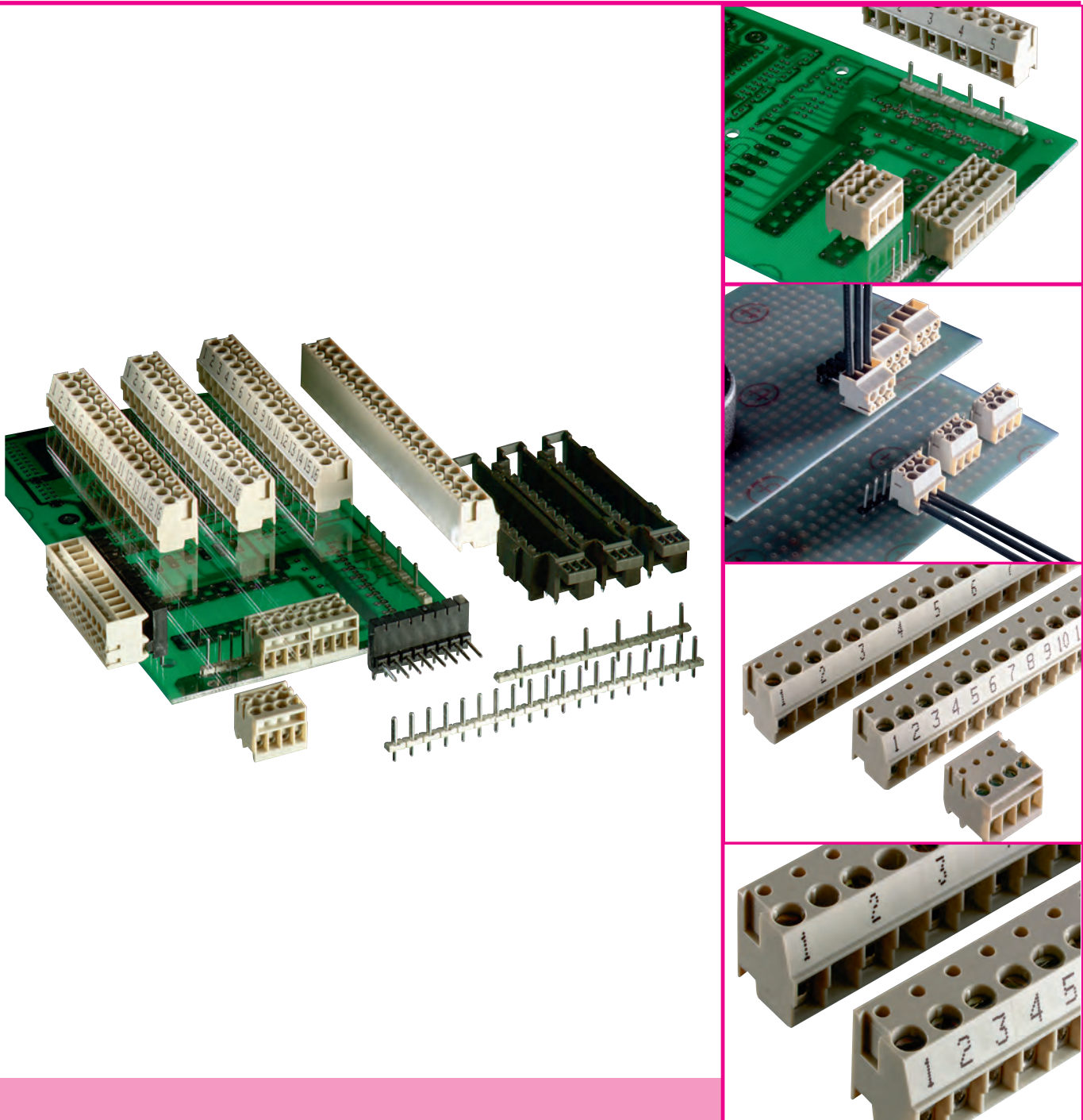


### Type range

- pitch (3.5/7/5/10) mm
- 2 – 24 pole
- pin strips with straight or angled pins
- pin diameters 0.8 mm, 1 mm and 1.3 mm



## Two part PCB Terminals







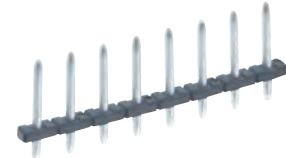


# PCB screw terminal series 8142, two part PCB terminal wire guard clamp

pitch 5.00 mm

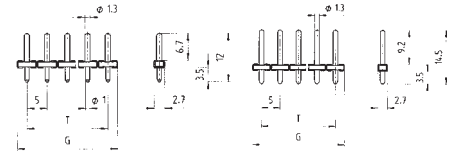
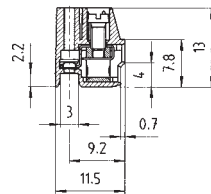
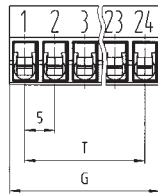
IEC	200 V 4kV cat.3	8 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	250 V 4kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 4kV cat.1		
UL	300 V	15 A	22 -12 AWG
CSA	300 V	15 A	22 -12 AWG

Solder Pin	1.0 x 1.0 mm
Drill Hole	1.3 mm
Wire Strip Length	5 mm
Screw Size	M2.5



See Technical Data section for screw material options

Approvals:



**series 8142 OB**  
pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

unmarked	marked	Grey pin Ø 1.0 mm	Black pin Ø 1.3 mm
Part Number	Part Number	Part Number	Part Number
25.602.2253.0	25.600.2253.0	Z5.530.0225.0	Z5.530.3225.0
25.602.2353.0	25.600.2353.0	Z5.530.0325.0	Z5.530.3325.0
25.602.2453.0	25.600.2453.0	Z5.530.0425.0	Z5.530.3425.0
25.602.2553.0	25.600.2553.0	Z5.530.0525.0	Z5.530.3525.0
25.602.2653.0	25.600.2653.0	Z5.530.0625.0	Z5.530.3625.0
25.602.2753.0	25.600.2753.0	Z5.530.0725.0	Z5.530.3725.0
25.602.2853.0	25.600.2853.0	Z5.530.0825.0	Z5.530.3825.0
25.602.2953.0	25.600.2953.0	Z5.530.0925.0	Z5.530.3925.0
25.602.3053.0	25.600.3053.0	Z5.530.1025.0	Z5.530.4025.0
25.602.3153.0	25.600.3153.0	Z5.530.1125.0	Z5.530.4125.0
25.602.3253.0	25.600.3253.0	Z5.530.1225.0	Z5.530.4225.0
25.602.3353.0	25.600.3353.0	Z5.530.1325.0	Z5.530.4325.0
25.602.3453.0	25.600.3453.0	Z5.530.1425.0	Z5.530.4425.0
25.602.3553.0	25.600.3553.0	Z5.530.1525.0	Z5.530.4525.0
25.602.3653.0	25.600.3653.0	Z5.530.1625.0	Z5.530.4625.0

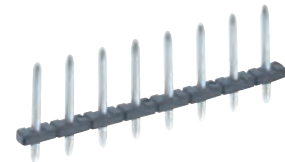
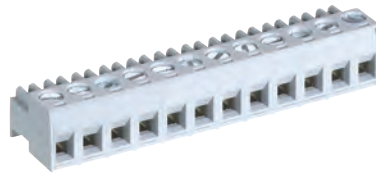
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

Custom Marking Available  
More poles available on request

# PCB screw terminal series 8142, two part PCB terminal raising cage clamp

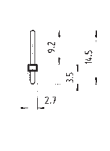
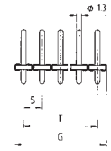
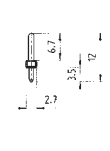
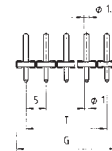
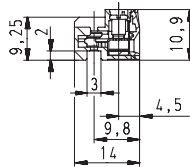
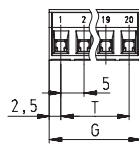
pitch 5.00 mm

IEC	250 V 2.5kV cat.3		0.5 - 2.5 mm <sup>2</sup> (Stranded) 0.5 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	3 A (PR) 10 A (PR HC)	22 -12 AWG
CSA	300 V	15 A 10 A (PR HC)	22 -12 AWG
Solder Pin			1.0 x 1.0 mm
Drill Hole			1.3 mm
Wire Strip Length			6 mm
Screw Size			M3



See Technical Data section for screw material options

Approvals:



## series 8142 Z PR / PR HC OB pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

PR (3 A)  
pull out force  
< 2,5 Nm/Pin

PR HC (10 A)  
pull out force < 6 Nm/Pin

Grey  
pin Ø 1.0 mm

Black  
pin Ø 1.3 mm

Part Number	Part Number	Part Number	Part Number
25.615.0253.3	25.616.0253.3	Z5.530.0225.0	Z5.530.3225.0
25.615.0353.3	25.616.0353.3	Z5.530.0325.0	Z5.530.3325.0
25.615.0453.3	25.616.0453.3	Z5.530.0425.0	Z5.530.3425.0
25.615.0553.3	25.616.0553.3	Z5.530.0525.0	Z5.530.3525.0
25.615.0653.3	25.616.0653.3	Z5.530.0625.0	Z5.530.3625.0
25.615.0753.3	25.616.0753.3	Z5.530.0725.0	Z5.530.3725.0
25.615.0853.3	25.616.0853.3	Z5.530.0825.0	Z5.530.3825.0
25.615.0953.3	25.616.0953.3	Z5.530.0925.0	Z5.530.3925.0
25.615.1053.3	25.616.1053.3	Z5.530.1025.0	Z5.530.4025.0
25.615.1153.3	25.616.1153.3	Z5.530.1125.0	Z5.530.4125.0
25.615.1253.3	25.616.1253.3	Z5.530.1225.0	Z5.530.4225.0
25.615.1353.3	25.616.1353.3	Z5.530.1325.0	Z5.530.4325.0
25.615.1453.3	25.616.1453.3	Z5.530.1425.0	Z5.530.4425.0
25.615.1553.3	25.616.1553.3	Z5.530.1525.0	Z5.530.4525.0
25.615.1653.3	25.616.1653.3	Z5.530.1625.0	Z5.530.4625.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

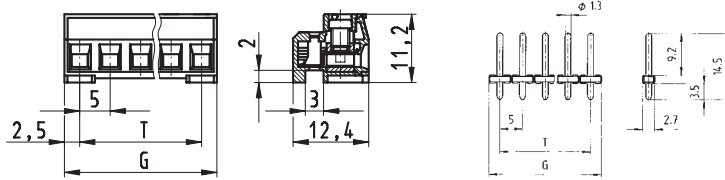
# PCB screw terminal series 8142, two part PCB terminal raising cage clamp

pitch 5.00 mm

IEC	250 V 2.5kV cat.3	8 A (40 °C)	0.14 - 1.5 mm <sup>2</sup> (Stranded)
		3 A (70 °C)	0.14 - 1.5 mm <sup>2</sup> (Solid)
UL	300 V	8 A	22 -12 AWG
CSA	300 V	5 A	22 -12 AWG
Solder Pin	1.0 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6 mm		
Screw Size	M3		



See Technical Data section for screw material options



Approvals:



## series 8142 Z OB pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

unmarked

THR box

THR tape on reel

Part Number	Part Number	Part Number	Part Number
27.602.0253.0		Z5.530.0204.0	Z5.530.0214.0
27.602.0353.0		Z5.530.0304.0	Z5.530.0314.0
27.602.0453.0		Z5.530.0404.0	Z5.530.0414.0
27.602.0553.0		Z5.530.0504.0	Z5.530.0514.0
27.602.0653.0		Z5.530.0604.0	Z5.530.0614.0
27.602.0753.0		Z5.530.0704.0	Z5.530.0714.0
27.602.0853.0		Z5.530.0804.0	Z5.530.0814.0
27.602.0953.0		Z5.530.0904.0	Z5.530.0914.0
27.602.1053.0		Z5.530.1004.0	Z5.530.1014.0
27.602.1153.0		Z5.530.1104.0	Z5.530.1114.0
27.602.1253.0		Z5.530.1204.0	Z5.530.1214.0
27.602.1353.0			
27.602.1453.0			
27.602.1553.0			
27.602.1653.0			

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

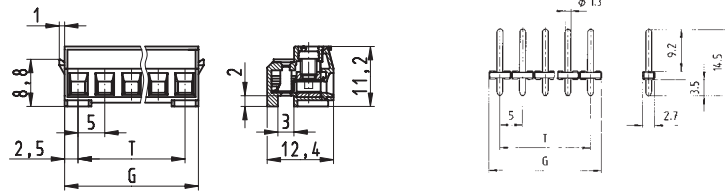
# PCB screw terminal series 8142, two part PCB terminal raising cage clamp

pitch 5.00 mm

IEC	250 V 2.5kV cat.3	8 A (40 °C)	0.14 - 1.5 mm <sup>2</sup> (Stranded)
		3 A (70 °C)	0.14 - 1.5 mm <sup>2</sup> (Solid)
UL	300 V	8 A	22 -12 AWG
CSA	300 V	5 A	22 -12 AWG
Solder Pin	1.0 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6 mm		
Screw Size	M3		



See Technical Data section for screw material options



Approvals:



## series 8142 Z F2 OB pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

unmarked

THR box

THR tape on reel

Part Number	Part Number	Part Number	Part Number
27.602.3253.0		Z5.530.0204.0	Z5.530.0214.0
27.602.3353.0		Z5.530.0304.0	Z5.530.0314.0
27.602.3453.0		Z5.530.0404.0	Z5.530.0414.0
27.602.3553.0		Z5.530.0504.0	Z5.530.0514.0
27.602.3653.0		Z5.530.0604.0	Z5.530.0614.0
27.602.3753.0		Z5.530.0704.0	Z5.530.0714.0
27.602.3853.0		Z5.530.0804.0	Z5.530.0814.0
27.602.3953.0		Z5.530.0904.0	Z5.530.0914.0
27.602.4053.0		Z5.530.1004.0	Z5.530.1014.0
27.602.4153.0		Z5.530.1104.0	Z5.530.1114.0
27.602.4253.0		Z5.530.1204.0	Z5.530.1214.0
27.602.4353.0			
27.602.4453.0			
27.602.4553.0			
27.602.4653.0			

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

# PCB screw terminal series 8142, two part PCB terminal raising cage clamp

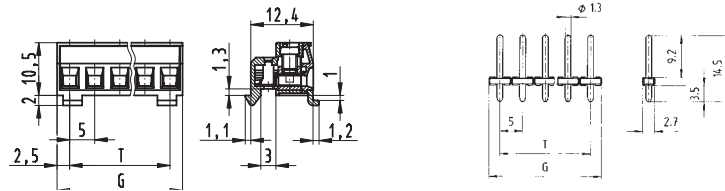
pitch 5.00 mm

IEC	250 V 2.5kV cat.3	8 A (40 °C)	0.14 - 1.5 mm <sup>2</sup> (Stranded)
		3 A (70 °C)	0.14 - 1.5 mm <sup>2</sup> (Solid)
UL	300 V	8 A	22 -12 AWG
CSA	300 V	5 A	22 -12 AWG
Solder Pin	1.0 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	6 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



## series 8142 Z RF OB pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

unmarked

THR box

THR tape on reel

Part Number	Part Number	Part Number	Part Number
27.602.6253.0		Z5.530.0204.0	Z5.530.0214.0
27.602.6353.0		Z5.530.0304.0	Z5.530.0314.0
27.602.6453.0		Z5.530.0404.0	Z5.530.0414.0
27.602.6553.0		Z5.530.0504.0	Z5.530.0514.0
27.602.6653.0		Z5.530.0604.0	Z5.530.0614.0
27.602.6753.0		Z5.530.0704.0	Z5.530.0714.0
27.602.6853.0		Z5.530.0804.0	Z5.530.0814.0
27.602.6953.0		Z5.530.0904.0	Z5.530.0914.0
27.602.7053.0		Z5.530.1004.0	Z5.530.1014.0
27.602.7153.0		Z5.530.1104.0	Z5.530.1114.0
27.602.7253.0		Z5.530.1204.0	Z5.530.1214.0
27.602.7353.0			
27.602.7453.0			
27.602.7553.0			
27.602.7653.0			

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number



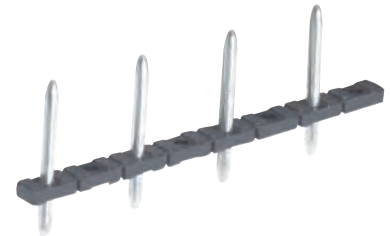




# PCB screw terminal series 8142, two part PCB terminal wire guard clamp

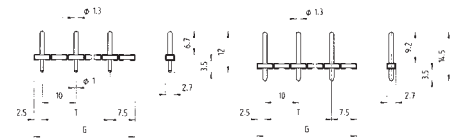
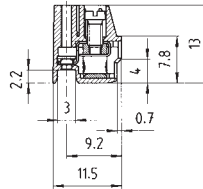
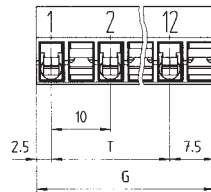
pitch 10.00 mm

IEC	500 V <small>8kV cat.3</small>	8 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	800 V <small>8kV cat.2</small>		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V <small>8kV cat.1</small>		
UL	300 V	15 A	22 -12 AWG
CSA	300 V	15 A	22 -12 AWG
Solder Pin	1.0 x 1.0 mm		
Drill Hole	1.3 mm		
Wire Strip Length	5 mm		
Screw Size	M2.5		



See Technical Data section for screw material options

Approvals:



series 8142 pitch 10.00 mm				unmarked	marked	Grey pin Ø 1.0 mm	Black pin Ø 1.3 mm
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	20	10	2	25.603.1253.0	25.601.1253.0	Z5.530.6225.0	Z5.530.8225.0
50	30	20	3	25.603.1353.0	25.601.1353.0	Z5.530.6325.0	Z5.530.8325.0
50	40	30	4	25.603.1453.0	25.601.1453.0	Z5.530.6425.0	Z5.530.8425.0
50	50	40	5	25.603.1553.0	25.601.1553.0	Z5.530.6525.0	Z5.530.8525.0
50	60	50	6	25.603.1653.0	25.601.1653.0	Z5.530.6625.0	Z5.530.8625.0
50	70	60	7	25.603.1753.0	25.601.1753.0	Z5.530.6725.0	Z5.530.8725.0
50	80	70	8	25.603.1853.0	25.601.1853.0	Z5.530.6825.0	Z5.530.8825.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

**Systems feature**

- plug in system is simple to maintain
- screw termination by means of rising cage clamp for security
- screw connection is easy to operate
- spring clamp connection for speed
- simple, clear and secure method of connecting and disconnecting
- multiple pole configuration
- connection of single core and finely stranded conductors up to 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup>
- metric and imperial pitch options
- clamping with TOP connection

**Applications**

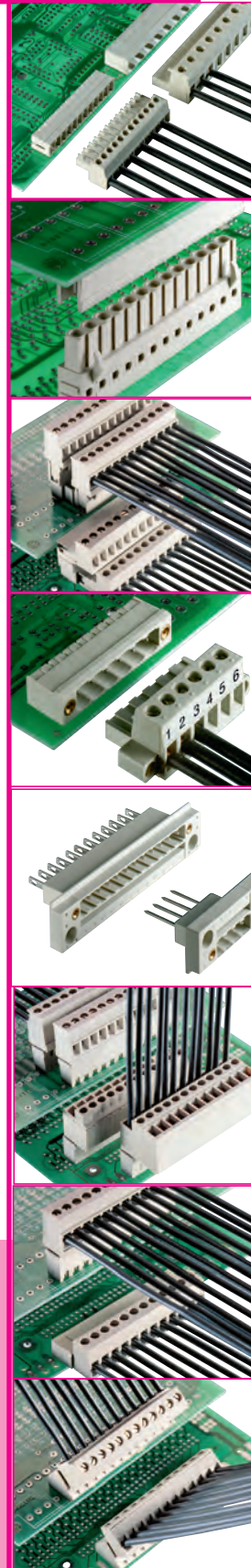
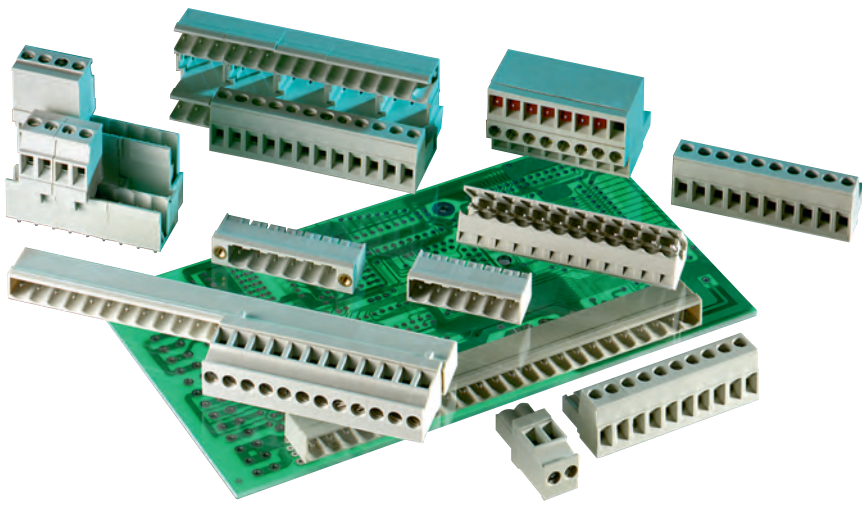
- designed for frequent and ongoing equipment maintenance and system changes as the pluggable terminal connector and PCB header are easily connected and disconnected
- pre-assembled wire harnesses can be easily and quickly connected for fast system commissioning

**Type range**

- 2 – 24 poles
- connection of conductors horizontal and vertical in relation to the PCB
- conductors can be connected at a 45° or 35°
- multipole blocks
- secure connection



## Pluggable PCB Terminals



# PCB headers series 8513 / 8813

pitch 3.50 / 3.81 mm

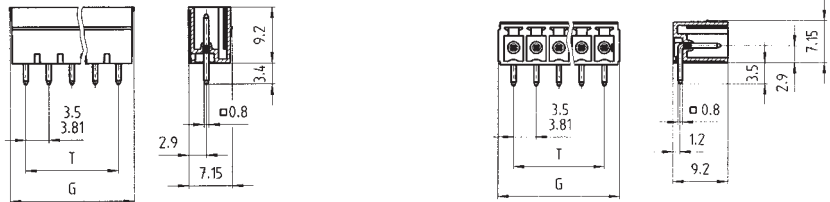
IEC	125 V 2.5kV cat.3	8 A
	250 V 2.5kV cat.2	
	690 V 2.5kV cat.1	
UL	300 V	8 A
CSA	300 V	5 A

Solder Pin 0.8 x 0.8 mm  
Drill Hole 1.2 mm



See Technical Data section for screw material options

Approvals:



### series 8513 S G/W pitch 3.50 mm

Box Qty	G	T	Pole
100	8.40	3.50	2
100	11.90	7.00	3
50	15.40	10.50	4
50	18.90	14.00	5
50	22.40	17.50	6
50	25.90	21.00	7
50	29.40	24.50	8
50	32.90	28.00	9
50	36.40	31.50	10
50	39.90	35.00	11
50	43.40	38.50	12
50	46.90	42.00	13
50	50.40	45.50	14
50	53.90	49.00	15
50	57.40	52.50	16

unmarked

Part Number	Part Number
25.646.0253.0	25.647.0253.0
25.646.0353.0	25.647.0353.0
25.646.0453.0	25.647.0453.0
25.646.0553.0	25.647.0553.0
25.646.0653.0	25.647.0653.0
25.646.0753.0	25.647.0753.0
25.646.0853.0	25.647.0853.0
25.646.0953.0	25.647.0953.0
25.646.1053.0	25.647.1053.0
25.646.1153.0	25.647.1153.0
25.646.1253.0	25.647.1253.0
25.646.1353.0	25.647.1353.0
25.646.1453.0	25.647.1453.0
25.646.1553.0	25.647.1553.0
25.646.1653.0	25.647.1653.0

unmarked

Part Number	Part Number
25.647.0253.0	25.647.0253.0
25.647.0353.0	25.647.0353.0
25.647.0453.0	25.647.0453.0
25.647.0553.0	25.647.0553.0
25.647.0653.0	25.647.0653.0
25.647.0753.0	25.647.0753.0
25.647.0853.0	25.647.0853.0
25.647.0953.0	25.647.0953.0
25.647.1053.0	25.647.1053.0
25.647.1153.0	25.647.1153.0
25.647.1253.0	25.647.1253.0
25.647.1353.0	25.647.1353.0
25.647.1453.0	25.647.1453.0
25.647.1553.0	25.647.1553.0
25.647.1653.0	25.647.1653.0

### series 8813 S G/W pitch 3.81 mm

Box Qty	G	T	Pole
100	9.01	3.81	2
100	12.82	7.62	3
50	16.63	11.43	4
50	20.44	15.24	5
50	24.25	19.05	6
50	28.06	22.86	7
50	31.87	26.67	8
50	35.68	30.48	9
50	39.49	34.29	10
50	43.30	38.10	11
50	47.11	41.91	12
50	50.92	45.72	13
50	54.73	49.53	14
50	58.54	53.34	15
50	62.35	57.15	16

unmarked

Part Number	Part Number
25.626.0253.0	25.627.0253.0
25.626.0353.0	25.627.0353.0
25.626.0453.0	25.627.0453.0
25.626.0553.0	25.627.0553.0
25.626.0653.0	25.627.0653.0
25.626.0753.0	25.627.0753.0
25.626.0853.0	25.627.0853.0
25.626.0953.0	25.627.0953.0
25.626.1053.0	25.627.1053.0
25.626.1153.0	25.627.1153.0
25.626.1253.0	25.627.1253.0
25.626.1353.0	25.627.1353.0
25.626.1453.0	25.627.1453.0
25.626.1553.0	25.627.1553.0
25.626.1653.0	25.627.1653.0

unmarked

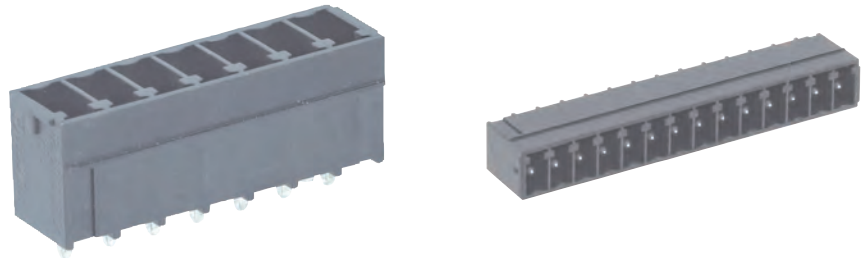
Part Number	Part Number
25.627.0253.0	25.627.0253.0
25.627.0353.0	25.627.0353.0
25.627.0453.0	25.627.0453.0
25.627.0553.0	25.627.0553.0
25.627.0653.0	25.627.0653.0
25.627.0753.0	25.627.0753.0
25.627.0853.0	25.627.0853.0
25.627.0953.0	25.627.0953.0
25.627.1053.0	25.627.1053.0
25.627.1153.0	25.627.1153.0
25.627.1253.0	25.627.1253.0
25.627.1353.0	25.627.1353.0
25.627.1453.0	25.627.1453.0
25.627.1553.0	25.627.1553.0
25.627.1653.0	25.627.1653.0

Custom Marking Available  
More poles available on request

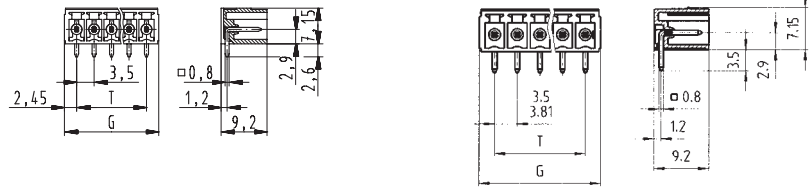
# PCB headers series 8513, reflow process

pitch 3.50 mm

IEC	125 V 2.5kV	8 A
UL	300 V	8 A
CSA	300 V	5 A
Solder Pin	0.8 x 0.8 mm	
Drill Hole	1.2 mm	



See Technical Data section for screw material options



Approvals:



### series 8513S G/W THR OB pitch 3.50 mm

Box Qty	G	T	Pole	unmarked box	unmarked tape on reel	unmarked box	unmarked tape on reel
				Part Number	Part Number	Part Number	Part Number
100	8.40	3.50	2	25.646.0206.0	25.646.0216.0	25.647.0206.0	25.647.0216.0
100	11.90	7.00	3	25.646.0306.0	25.646.0316.0	25.647.0306.0	25.647.0316.0
50	15.40	10.50	4	25.646.0406.0	25.646.0416.0	25.647.0406.0	25.647.0416.0
50	18.90	14.00	5	25.646.0506.0	25.646.0516.0	25.647.0506.0	25.647.0516.0
50	22.40	17.50	6	25.646.0606.0	25.646.0616.0	25.647.0606.0	25.647.0616.0
50	25.90	21.00	7	25.646.0706.0	25.646.0716.0	25.647.0706.0	25.647.0716.0
50	29.40	24.50	8	25.646.0806.0	25.646.0816.0	25.647.0806.0	25.647.0816.0
50	32.90	28.00	9	25.646.0906.0	25.646.0916.0	25.647.0906.0	25.647.0916.0
50	36.40	31.50	10	25.646.1006.0	25.646.1016.0	25.647.1006.0	25.647.1016.0
50	39.90	35.00	11	25.646.1106.0	25.646.1116.0	25.647.1106.0	25.647.1116.0
50	43.40	38.50	12	25.646.1206.0	25.646.1216.0	25.647.1206.0	25.647.1216.0
50	46.90	42.00	13	25.646.1306.0	25.646.1316.0	25.647.1306.0	25.647.1316.0
50	50.40	45.50	14	25.646.1406.0	25.646.1416.0	25.647.1406.0	25.647.1416.0
50	53.90	49.00	15	25.646.1506.0	25.646.1516.0	25.647.1506.0	25.647.1516.0
50	57.40	52.50	16	25.646.1606.0	25.646.1616.0	25.647.1606.0	25.647.1616.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

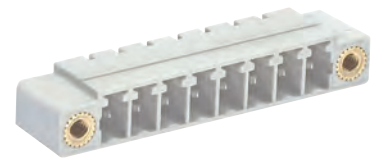
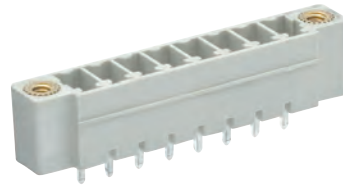
# PCB headers series 8513 / 8813

pitch 3.50 / 3.81 mm

IEC	125 V 2.5kV cat.3	8 A
	250 V 2.5kV cat.2	
	690 V 2.5kV cat.1	
UL	300 V	8 A
CSA	300 V	5 A

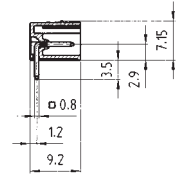
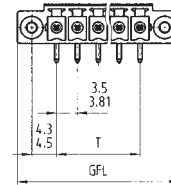
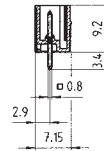
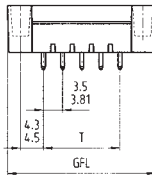
Solder Pin  
Drill Hole

0.8 x 0.8 mm  
1.2 mm



See Technical Data section for screw material options

Approvals:



## series 8513 S GF/WF pitch 3.50 mm

Box Qty	G	T	Pole
100	8.40	3.50	2
100	11.90	7.00	3
50	15.40	10.50	4
50	18.90	14.00	5
50	22.40	17.50	6
50	25.90	21.00	7
50	29.40	24.50	8
50	32.90	28.00	9
50	36.40	31.50	10
50	39.90	35.00	11
50	43.40	38.50	12
50	46.90	42.00	13
50	50.40	45.50	14
50	53.90	49.00	15
50	57.40	52.50	16

unmarked

Part Number	Part Number
25.646.3253.0	25.647.3253.0
25.646.3353.0	25.647.3353.0
25.646.3453.0	25.647.3453.0
25.646.3553.0	25.647.3553.0
25.646.3653.0	25.647.3653.0
25.646.3753.0	25.647.3753.0
25.646.3853.0	25.647.3853.0
25.646.3953.0	25.647.3953.0
25.646.4053.0	25.647.4053.0
25.646.4153.0	25.647.4153.0
25.646.4253.0	25.647.4253.0
25.646.4353.0	25.647.4353.0
25.646.4453.0	25.647.4453.0
25.646.4553.0	25.647.4553.0
25.646.4653.0	25.647.4653.0

unmarked

Part Number	Part Number
25.647.3253.0	25.647.3253.0
25.647.3353.0	25.647.3353.0
25.647.3453.0	25.647.3453.0
25.647.3553.0	25.647.3553.0
25.647.3653.0	25.647.3653.0
25.647.3753.0	25.647.3753.0
25.647.3853.0	25.647.3853.0
25.647.3953.0	25.647.3953.0
25.647.4053.0	25.647.4053.0
25.647.4153.0	25.647.4153.0
25.647.4253.0	25.647.4253.0
25.647.4353.0	25.647.4353.0
25.647.4453.0	25.647.4453.0
25.647.4553.0	25.647.4553.0
25.647.4653.0	25.647.4653.0

## series 8813 S GF/WF pitch 3.81 mm

Box Qty	G	T	Pole
100	9.01	3.81	2
100	12.82	7.62	3
50	16.63	11.43	4
50	20.44	15.24	5
50	24.25	19.05	6
50	28.06	22.86	7
50	31.87	26.67	8
50	35.68	30.48	9
50	39.49	34.29	10
50	43.30	38.10	11
50	47.11	41.91	12
50	50.92	45.72	13
50	54.73	49.53	14
50	58.54	53.34	15
50	62.35	57.15	16

unmarked

Part Number	Part Number
25.626.3253.0	25.627.3253.0
25.626.3353.0	25.627.3353.0
25.626.3453.0	25.627.3453.0
25.626.3553.0	25.627.3553.0
25.626.3653.0	25.627.3653.0
25.626.3753.0	25.627.3753.0
25.626.3853.0	25.627.3853.0
25.626.3953.0	25.627.3953.0
25.626.4053.0	25.627.4053.0
25.626.4153.0	25.627.4153.0
25.626.4253.0	25.627.4253.0
25.626.4353.0	25.627.4353.0
25.626.4453.0	25.627.4453.0
25.626.4553.0	25.627.4553.0
25.626.4653.0	25.627.4653.0

unmarked

Part Number	Part Number
25.627.3253.0	25.627.3253.0
25.627.3353.0	25.627.3353.0
25.627.3453.0	25.627.3453.0
25.627.3553.0	25.627.3553.0
25.627.3653.0	25.627.3653.0
25.627.3753.0	25.627.3753.0
25.627.3853.0	25.627.3853.0
25.627.3953.0	25.627.3953.0
25.627.4053.0	25.627.4053.0
25.627.4153.0	25.627.4153.0
25.627.4253.0	25.627.4253.0
25.627.4353.0	25.627.4353.0
25.627.4453.0	25.627.4453.0
25.627.4553.0	25.627.4553.0
25.627.4653.0	25.627.4653.0

Custom Marking Available  
More poles available on request

# PCB headers series 8513

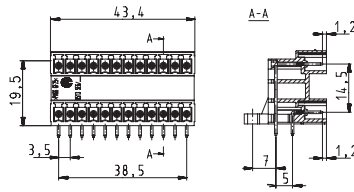
pitch 3.50 mm

IEC	125 V 2.5kV cat.3	8 A
	250 V 2.5kV cat.2	
UL	300 V	8 A
CSA	300 V	5 A
Solder Pin	0.8 x 0.8 mm	
Drill Hole	1.2 mm	



See Technical Data section for screw material options

Approvals:



series 8513 SEG pitch 3.50 mm				unmarked			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	8.40	3.50	2	27.647.1253.1			
100	11.90	7.00	3	27.647.1353.1			
50	15.40	10.50	4	27.647.1453.1			
50	18.90	14.00	5	27.647.1553.1			
50	22.40	17.50	6	27.647.1653.1			
50	25.90	21.00	7	27.647.1753.1			
50	29.40	24.50	8	27.647.1853.1			
50	32.90	28.00	9	27.647.1953.1			
50	36.40	31.50	10	27.647.2053.1			
50	39.90	35.00	11	27.647.2153.1			
50	43.40	38.50	12	27.647.2253.1			
50	46.90	42.00	13	27.647.2353.1			
50	50.40	45.50	14	27.647.2453.1			
50	53.90	49.00	15	27.647.2553.1			
50	57.40	52.50	16	27.647.2653.1			

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

# PCB headers series 8513, reflow process

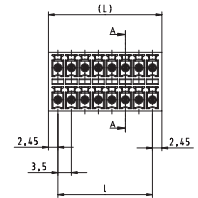
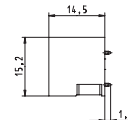
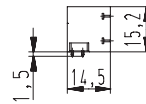
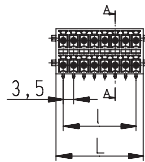
pitch 3.50 mm

IEC	160 V 2.5kV cat.3	8 A
UL	300 V	8 A
CSA	300 V	5 A
Solder Pin	0.8 x 0.8 mm	
Drill Hole	1.2 mm	



See Technical Data section for screw material options

Approvals:



### series 8513 SEGN W/G THR OB pitch 3.50 mm

Box Qty	G	T	Pole
100	8.40	3.50	2
100	11.90	7.00	3
50	15.40	10.50	4
50	18.90	14.00	5
50	22.40	17.50	6
50	25.90	21.00	7
50	29.40	24.50	8
50	32.90	28.00	9
50	36.40	31.50	10
50	39.90	35.00	11
50	43.40	38.50	12
50	46.90	42.00	13
50	50.40	45.50	14
50	53.90	49.00	15
50	57.40	52.50	16

Without locking flange  
Box

With locking flange  
Box

Without locking flange  
Box

With locking flange  
Box

Part Number	Part Number	Part Number	Part Number
25.657.0208.0	25.657.6208.0	25.656.0208.0	25.656.6208.0
25.657.0308.0	25.657.6308.0	25.656.0308.0	25.656.6308.0
25.657.0408.0	25.657.6408.0	25.656.0408.0	25.656.6408.0
25.657.0508.0	25.657.6508.0	25.656.0508.0	25.656.6508.0
25.657.0608.0	25.657.6608.0	25.656.0608.0	25.656.6608.0
25.657.0708.0	25.657.6708.0	25.656.0708.0	25.656.6708.0
25.657.0808.0	25.657.6808.0	25.656.0808.0	25.656.6808.0
25.657.0908.0	25.657.6908.0	25.656.0908.0	25.656.6908.0
25.657.1008.0	25.657.7008.0	25.656.1008.0	25.656.7008.0
25.657.1108.0	25.657.7108.0	25.656.1108.0	25.656.7108.0
25.657.1208.0	25.657.7208.0	25.656.1208.0	25.656.7208.0
25.657.1308.0	25.657.7308.0	25.656.1308.0	25.656.7308.0
25.657.1408.0	25.657.7408.0	25.656.1408.0	25.656.7408.0
25.657.1508.0	25.657.7508.0	25.656.1508.0	25.656.7508.0
25.657.1608.0	25.657.7608.0	25.656.1608.0	25.656.7608.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number



# PCB headers series 8513, reflow process

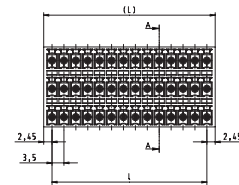
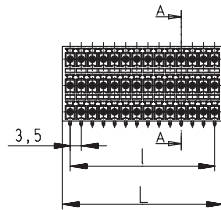
pitch 3.50 mm

IEC	160 V 2.5kV cat.3	8 A
UL	300 V	8 A
CSA	300 V	5 A
Solder Pin	0.8 x 0.8 mm	
Drill Hole	1.2 mm	



See Technical Data section for screw material options

Approvals:



series 8513 SDGN W/G THR OB pitch 3.50 mm				Without locking flange Box	With locking flange Box	Without locking flange Box	With locking flange Box
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	8.40	3.50	2	25.667.0208.0	25.667.6208.0	25.666.0208.0	25.666.6208.0
100	11.90	7.00	3	25.667.0308.0	25.667.6308.0	25.666.0308.0	25.666.6308.0
50	15.40	10.50	4	25.667.0408.0	25.667.6408.0	25.666.0408.0	25.666.6408.0
50	18.90	14.00	5	25.667.0508.0	25.667.6508.0	25.666.0508.0	25.666.6508.0
50	22.40	17.50	6	25.667.0608.0	25.667.6608.0	25.666.0608.0	25.666.6608.0
50	25.90	21.00	7	25.667.0708.0	25.667.6708.0	25.666.0708.0	25.666.6708.0
50	29.40	24.50	8	25.667.0808.0	25.667.6808.0	25.666.0808.0	25.666.6808.0
50	32.90	28.00	9	25.667.0908.0	25.667.6908.0	25.666.0908.0	25.666.6908.0
50	36.40	31.50	10	25.667.1008.0	25.667.7008.0	25.666.1008.0	25.666.7008.0
50	39.90	35.00	11	25.667.1108.0	25.667.7108.0	25.666.1108.0	25.666.7108.0
50	43.40	38.50	12	25.667.1208.0	25.667.7208.0	25.666.1208.0	25.666.7208.0
50	46.90	42.00	13	25.667.1308.0	25.667.7308.0	25.666.1308.0	25.666.7308.0
50	50.40	45.50	14	25.667.1408.0	25.667.7408.0	25.666.1408.0	25.666.7408.0
50	53.90	49.00	15	25.667.1508.0	25.667.7508.0	25.666.1508.0	25.666.7508.0
50	57.40	52.50	16	25.667.1608.0	25.667.7608.0	25.666.1608.0	25.666.7608.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

# PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

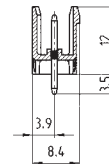
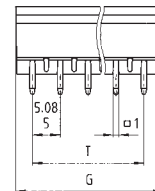
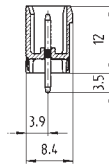
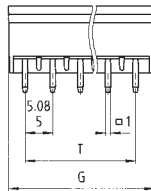
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



### series 8113 S G/GOF pitch 5.00 mm

Box Qty	G	T	Pole
100	10.16	5	2
100	15.24	10	3
50	20.32	15	4
50	25.40	20	5
50	30.48	25	6
50	35.56	30	7
50	40.64	35	8
50	45.72	40	9
50	50.80	45	10
50	55.88	50	11
50	60.96	55	12
50	66.04	60	13
50	71.12	65	14
50	76.20	70	15
50	81.28	75	16

unmarked closed version

Part Number	Part Number
25.330.3253.0	
25.330.3353.0	
25.330.3453.0	
25.330.3553.0	
25.330.3653.0	
25.330.3753.0	
25.330.3853.0	
25.330.3953.0	
25.330.4053.0	
25.330.4153.0	
25.330.4253.0	
25.330.4353.0	
25.330.4453.0	
25.330.4553.0	
25.330.4653.0	

unmarked open version

Part Number	Part Number
99.202.9996.0	
99.203.9996.0	
99.204.9996.0	
99.205.9996.0	
99.206.9996.0	
99.207.9996.0	
99.208.9996.0	
99.209.9996.0	
99.210.9996.0	
99.211.9996.0	
99.212.9996.0	
99.213.9996.0	
99.214.9996.0	
99.215.9996.0	
99.216.9996.0	

### series 8213 S G/GOF pitch 5.08 mm

Box Qty	G	T	Pole
100	11.56	5.08	2
100	16.64	10.16	3
50	21.72	15.24	4
50	26.80	20.32	5
50	31.88	25.40	6
50	36.96	30.48	7
50	42.04	35.56	8
50	47.12	40.64	9
50	52.20	45.72	10
50	57.28	50.80	11
50	62.36	55.88	12
50	67.44	60.96	13
50	72.52	66.04	14
50	77.60	71.12	15
50	82.68	76.20	16

unmarked closed version

Part Number	Part Number
25.350.3253.0	
25.350.3353.0	
25.350.3453.0	
25.350.3553.0	
25.350.3653.0	
25.350.3753.0	
25.350.3853.0	
25.350.3953.0	
25.350.4053.0	
25.350.4153.0	
25.350.4253.0	
25.350.4353.0	
25.350.4453.0	
25.350.4553.0	
25.350.4653.0	

unmarked open version

Part Number	Part Number
99.232.9996.1	
99.233.9996.1	
99.234.9996.1	
99.235.9996.1	
99.236.9996.1	
99.237.9996.1	
99.238.9996.1	
99.239.9996.1	
99.240.9996.1	
99.241.9996.1	
99.242.9996.1	
99.243.9996.1	
99.244.9996.1	
99.245.9996.1	
99.246.9996.1	

Custom Marking Available  
More poles available on request

# PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

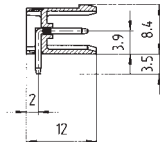
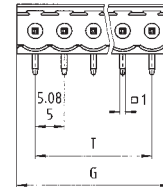
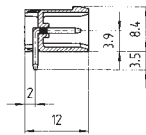
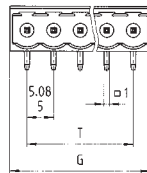
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



### series 8113 S W/WOF pitch 5.00 mm

Box Qty	G	T	Pole
100	11.40	5	2
100	16.40	10	3
50	21.40	15	4
50	26.40	20	5
50	31.40	25	6
50	36.40	30	7
50	41.40	35	8
50	46.40	40	9
50	51.40	45	10
50	56.40	50	11
50	61.40	55	12
50	66.40	60	13
50	71.40	65	14
50	76.40	70	15
50	81.40	75	16

unmarked closed version

Part Number	Part Number
25.332.3253.0	
25.332.3353.0	
25.332.3453.0	
25.332.3553.0	
25.332.3653.0	
25.332.3753.0	
25.332.3853.0	
25.332.3953.0	
25.332.4053.0	
25.332.4153.0	
25.332.4253.0	
25.332.4353.0	
25.332.4453.0	
25.332.4553.0	
25.332.4653.0	

unmarked open version

Part Number	Part Number
99.262.9996.0	
99.263.9996.0	
99.264.9996.0	
99.265.9996.0	
99.266.9996.0	
99.267.9996.0	
99.268.9996.0	
99.269.9996.0	
99.270.9996.0	
99.271.9996.0	
99.272.9996.0	
99.273.9996.0	
99.274.9996.0	
99.275.9996.0	
99.276.9996.0	

### series 8213 S W/WOF pitch 5.08 mm

Box Qty	G	T	Pole
100	11.56	5.08	2
100	16.64	10.16	3
50	21.72	15.24	4
50	26.80	20.32	5
50	31.88	25.40	6
50	36.96	30.48	7
50	42.04	35.56	8
50	47.12	40.64	9
50	52.20	45.72	10
50	57.28	50.80	11
50	62.36	55.88	12
50	67.44	60.96	13
50	72.52	66.04	14
50	77.60	71.12	15
50	82.68	76.20	16

unmarked closed version

Part Number	Part Number
25.352.3253.0	
25.352.3353.0	
25.352.3453.0	
25.352.3553.0	
25.352.3653.0	
25.352.3753.0	
25.352.3853.0	
25.352.3953.0	
25.352.4053.0	
25.352.4153.0	
25.352.4253.0	
25.352.4353.0	
25.352.4453.0	
25.352.4553.0	
25.352.4653.0	

unmarked open version

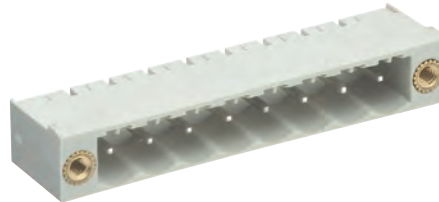
Part Number	Part Number
99.202.9996.2	
99.203.9996.2	
99.204.9996.2	
99.205.9996.2	
99.206.9996.2	
99.207.9996.2	
99.208.9996.2	
99.209.9996.2	
99.210.9996.2	
99.211.9996.2	
99.212.9996.2	
99.213.9996.2	
99.214.9996.2	
99.215.9996.2	
99.216.9996.2	

# PCB header series 8113 / 8213

pitch 5.00 / 5.08 mm

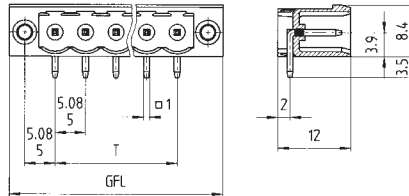
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



### series 8113 S WF pitch 5.00 mm

unmarked  
with screw flange

Box Qty	GFL	T	Pole	Part Number	Part Number	Part Number	Part Number
100	20	5	2	25.339.3253.0			
100	25	10	3	25.339.3353.0			
50	30	15	4	25.339.3453.0			
50	35	20	5	25.339.3553.0			
50	40	25	6	25.339.3653.0			
50	45	30	7	25.339.3753.0			
50	50	35	8	25.339.3853.0			
50	55	40	9	25.339.3953.0			
50	60	45	10	25.339.4053.0			
50	65	50	11	25.339.4153.0			
50	70	55	12	25.339.4253.0			
50	75	60	13	25.339.4353.0			
50	80	65	14	25.339.4453.0			
50	85	70	15	25.339.4553.0			
50	90	75	16	25.339.4653.0			

### series 8213 S WF pitch 5.08 mm

unmarked

Box Qty	GFL	T	Pole	Part Number	Part Number	Part Number	Part Number
100	20.32	5.08	2	25.358.3253.0			
100	25.40	10.16	3	25.358.3353.0			
50	30.48	15.24	4	25.358.3453.0			
50	35.56	20.32	5	25.358.3553.0			
50	40.64	25.40	6	25.358.3653.0			
50	45.72	30.48	7	25.358.3753.0			
50	50.80	35.56	8	25.358.3853.0			
50	55.88	40.64	9	25.358.3953.0			
50	60.96	45.72	10	25.358.4053.0			
50	66.04	50.80	11	25.358.4153.0			
50	71.12	55.88	12	25.358.4253.0			
50	76.20	60.96	13	25.358.4353.0			
50	81.28	66.04	14	25.358.4453.0			
50	86.36	71.12	15	25.358.4553.0			
50	91.44	76.20	16	25.358.4653.0			

# PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

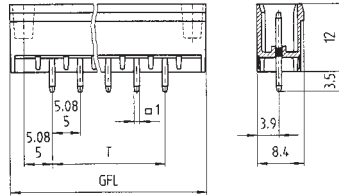
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



### series 8113 S GF pitch 5.00 mm

Box Qty	GFL	T	Pole
100	20	5	2
100	25	10	3
50	30	15	4
50	35	20	5
50	40	25	6
50	45	30	7
50	50	35	8
50	55	40	9
50	60	45	10
50	65	50	11
50	70	55	12
50	75	60	13
50	80	65	14
50	85	70	15
50	90	75	16

unmarked  
with screw flange

Part Number	Part Number	Part Number	Part Number
25.338.3253.0			
25.338.3353.0			
25.338.3453.0			
25.338.3553.0			
25.338.3653.0			
25.338.3753.0			
25.338.3853.0			
25.338.3953.0			
25.338.4053.0			
25.338.4153.0			
25.338.4253.0			
25.338.4353.0			
25.338.4453.0			
25.338.4553.0			
25.338.4653.0			

### series 8213 S GF pitch 5.08 mm

Box Qty	GFL	T	Pole
100	20.32	5.08	2
100	25.40	10.16	3
50	30.48	15.24	4
50	35.56	20.32	5
50	40.64	25.40	6
50	45.72	30.48	7
50	50.80	35.56	8
50	55.88	40.64	9
50	60.96	45.72	10
50	66.04	50.80	11
50	71.12	55.88	12
50	76.20	60.96	13
50	81.28	66.04	14
50	86.36	71.12	15
50	91.44	76.20	16

unmarked

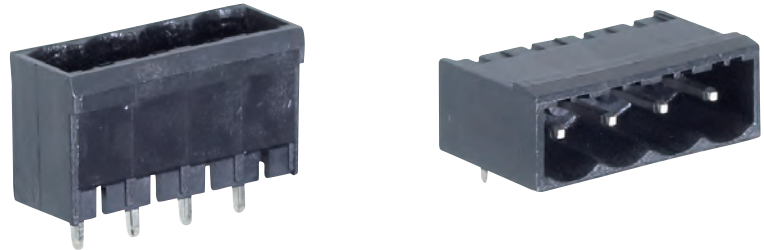
Part Number	Part Number	Part Number	Part Number
25.359.3253.0			
25.359.3353.0			
25.359.3453.0			
25.359.3553.0			
25.359.3653.0			
25.359.3753.0			
25.359.3853.0			
25.359.3953.0			
25.359.4053.0			
25.359.4153.0			
25.359.4253.0			
25.359.4353.0			
25.359.4453.0			
25.359.4553.0			
25.359.4653.0			

# PCB headers series 8113 / 8213, reflow process

pitch 5.00 / 5.08 mm

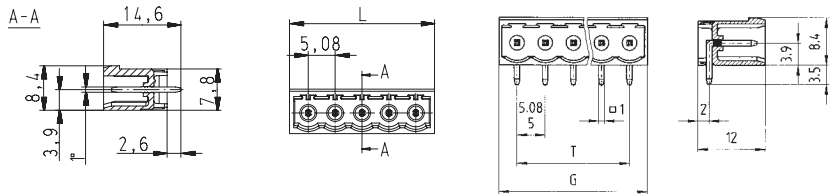
IEC	250 V 4kV cat.3	12 A
UL	300 V	12 A
CSA	300 V	12 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.5 mm



See Technical Data section for screw material options

Approvals:



## series 8113 S G/W THR OB pitch 5.00 mm

Box Qty	G	T	Pole
100	10.16	5	2
100	15.24	10	3
50	20.32	15	4
50	25.40	20	5
50	30.48	25	6
50	35.56	30	7
50	40.64	35	8
50	45.72	40	9
50	50.80	45	10
50	55.88	50	11
50	60.96	55	12
50	66.04	60	13
50	71.12	65	14
50	76.20	70	15
50	81.28	75	16

Part Number	Part Number	unmarked box Part Number	unmarked tape on reel Part Number
		25.332.3206.0	25.332.3216.0
		25.332.3306.0	25.332.3316.0
		25.332.3406.0	25.332.3416.0

## series 8213 S G/W THR OB pitch 5.08 mm

Box Qty	G	T	Pole
100	11.36	5.08	2
100	16.44	10.16	3
50	21.52	15.24	4
50	26.60	20.32	5
50	31.68	25.40	6
50	36.76	30.48	7
50	41.84	35.56	8
50	46.92	40.64	9
50	52.00	45.72	10
50	57.08	50.80	11
50	62.19	55.88	12
50	67.24	60.96	13
50	72.32	66.04	14
50	77.40	71.12	15
50	82.48	76.20	16

Part Number	Part Number	unmarked box Part Number	unmarked tape on reel Part Number
25.350.3206.0	25.350.3216.0	25.352.3206.0	25.352.3216.0
25.350.3306.0	25.350.3316.0	25.352.3306.0	25.352.3316.0
25.350.3406.0	25.350.3416.0	25.352.3406.0	25.352.3416.0
25.350.3506.0	25.350.3516.0	25.352.3506.0	25.352.3516.0
25.350.3606.0	25.350.3616.0	25.352.3606.0	25.352.3616.0
25.350.3706.0	25.350.3716.0	25.352.3706.0	25.352.3716.0
25.350.3806.0	25.350.3816.0	25.352.3806.0	25.352.3816.0
25.350.3906.0	25.350.3916.0	25.352.3906.0	25.352.3916.0
25.350.4006.0	25.350.4016.0	25.352.4006.0	25.352.4016.0
25.350.4106.0	25.350.4116.0	25.352.4106.0	25.352.4116.0
25.350.4206.0	25.350.4216.0	25.352.4206.0	25.352.4216.0
25.350.4306.0	25.350.4316.0	25.352.4306.0	25.352.4316.0
25.350.4406.0	25.350.4416.0	25.352.4406.0	25.352.4416.0
25.350.4506.0	25.350.4516.0	25.352.4506.0	25.352.4516.0
25.350.4606.0	25.350.4616.0	25.352.4606.0	25.352.4616.0

Custom Marking Available  
More poles available on request

**PCB headers**  
**series 8213, reflow process**

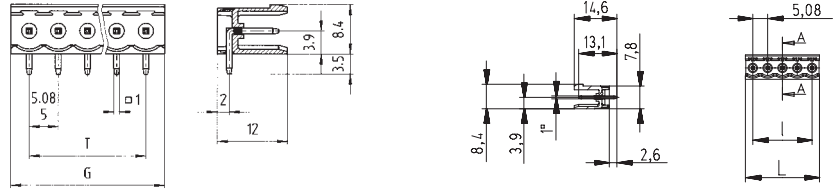
**pitch 5.08 mm**

IEC	250 V 4kV cat.3	12 A
UL	300 V	12 A
CSA	300 V	12 A
Solder Pin	1.0 x 1.0 mm	
Drill Hole	1.5 mm	



See Technical Data section for screw material options

Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

<b>series 8213 S GOF / WOF THR</b>				open version	open version	open version	open version
<b>pitch 5.08 mm</b>				box	tape on reel	box	tape on reel
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	11.36	5.08	2	26.352.3206.0	26.352.3216.0	26.350.3206.0	26.350.3216.0
100	16.44	10.16	3	26.352.3306.0	26.352.3316.0	26.350.3306.0	26.350.3316.0
50	21.52	15.24	4	26.352.3406.0	26.352.3416.0	26.350.3406.0	26.350.3416.0
50	26.60	20.32	5	26.352.3506.0	26.352.3516.0	26.350.3506.0	26.350.3516.0
50	31.68	25.40	6	26.352.3606.0	26.352.3616.0	26.350.3606.0	26.350.3616.0
50	36.76	30.48	7	26.352.3706.0	26.352.3716.0	26.350.3706.0	26.350.3716.0
50	41.84	35.56	8	26.352.3806.0	26.352.3816.0	26.350.3806.0	26.350.3816.0
50	46.92	40.64	9	26.352.3906.0	26.352.3916.0	26.350.3906.0	26.350.3916.0
50	52.00	45.72	10	26.352.4006.0	26.352.4016.0	26.350.4006.0	26.350.4016.0
50	57.08	50.80	11	26.352.4106.0	26.352.4116.0	26.350.4106.0	26.350.4116.0
50	62.19	55.88	12	26.352.4206.0	26.352.4216.0	26.350.4206.0	26.350.4216.0
50	67.24	60.96	13	26.352.4306.0	26.352.4316.0	26.350.4306.0	26.350.4316.0
50	72.32	66.04	14	26.352.4406.0	26.352.4416.0	26.350.4406.0	26.350.4416.0
50	77.40	71.12	15	26.352.4506.0	26.352.4516.0	26.350.4506.0	26.350.4516.0
50	82.48	76.20	16	26.352.4606.0	26.352.4616.0	26.350.4606.0	26.350.4616.0

Custom Marking Available  
More poles available on request

# PCB headers series 8213, reflow process

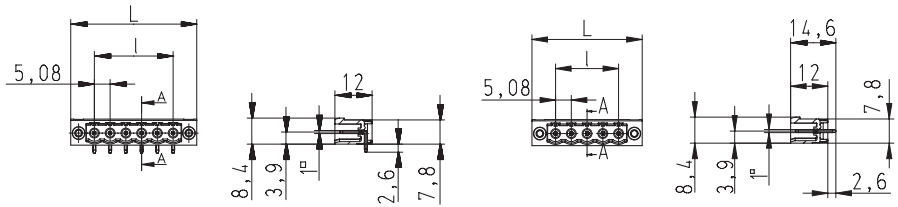
pitch 5.08 mm

IEC	250 V 4kV cat.3	12 A
UL	300 V	12 A
CSA	300 V	12 A
Solder Pin	1.0 x 1.0 mm	
Drill Hole	1.5 mm	



See Technical Data section for screw material options

Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

**series 8213 S G / W F THR**  
pitch 5.08 mm

Box Qty	G	T	Pole
100	11.36	5.08	2
100	16.44	10.16	3
50	21.52	15.24	4
50	26.60	20.32	5
50	31.68	25.40	6
50	36.76	30.48	7
50	41.84	35.56	8
50	46.92	40.64	9
50	52.00	45.72	10
50	57.08	50.80	11
50	62.19	55.88	12
50	67.24	60.96	13
50	72.32	66.04	14
50	77.40	71.12	15
50	82.48	76.20	16

screw and locking flange box	screw and locking flange tape on reel	screw and locking flange box	screw and locking flange tape on reel
Part Number	Part Number	Part Number	Part Number
25.358.3206.0	25.358.3216.0	25.359.3206.0	25.359.3216.0
25.358.3306.0	25.358.3316.0	25.359.3306.0	25.359.3316.0
25.358.3406.0	25.358.3416.0	25.359.3406.0	25.359.3416.0
25.358.3506.0	25.358.3516.0	25.359.3506.0	25.359.3516.0
25.358.3606.0	25.358.3616.0	25.359.3606.0	25.359.3616.0
25.358.3706.0	25.358.3716.0	25.359.3706.0	25.359.3716.0
25.358.3806.0	25.358.3816.0	25.359.3806.0	25.359.3816.0
25.358.3906.0	25.358.3916.0	25.359.3906.0	25.359.3916.0
25.358.4006.0	25.358.4016.0	25.359.4006.0	25.359.4016.0
25.358.4106.0	25.358.4116.0	25.359.4106.0	25.359.4116.0
25.358.4206.0	25.358.4216.0	25.359.4206.0	25.359.4216.0
25.358.4306.0	25.358.4316.0	25.359.4306.0	25.359.4316.0
25.358.4406.0	25.358.4416.0	25.359.4406.0	25.359.4416.0
25.358.4506.0	25.358.4516.0	25.359.4506.0	25.359.4516.0
25.358.4606.0	25.358.4616.0	25.359.4606.0	25.359.4616.0

Custom Marking Available  
More poles available on request

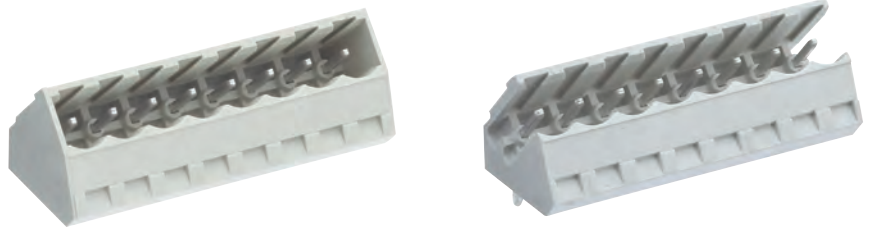


# PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

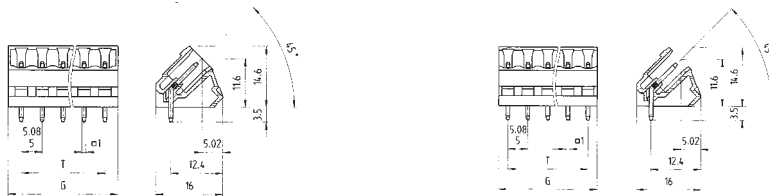
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



### series 8113 S S/S1 pitch 5.00 mm

Box Qty	G	T	Pole
100	11.20	5	2
100	16.20	10	3
50	21.20	15	4
50	26.20	20	5
50	31.20	25	6
50	36.20	30	7
50	41.20	35	8
50	46.20	40	9
50	51.20	45	10
50	56.20	50	11
50	61.20	55	12
50	66.20	60	13
50	71.20	65	14
50	76.20	70	15
50	81.20	75	16

unmarked  
closed version

Part Number	Part Number
25.394.3253.0	
25.394.3353.0	
25.394.3453.0	
25.394.3553.0	
25.394.3653.0	
25.394.3753.0	
25.394.3853.0	
25.394.3953.0	
25.394.4053.0	
25.394.4153.0	
25.394.4253.0	
25.394.4353.0	
25.394.4453.0	
25.394.4553.0	
25.394.4653.0	

unmarked  
open version

Part Number	Part Number
25.395.3253.0	
25.395.3353.0	
25.395.3453.0	
25.395.3553.0	
25.395.3653.0	
25.395.3753.0	
25.395.3853.0	
25.395.3953.0	
25.395.4053.0	
25.395.4153.0	
25.395.4253.0	
25.395.4353.0	
25.395.4453.0	
25.395.4553.0	
25.395.4653.0	

marked  
open version

### series 8213 S S/S1 pitch 5.08 mm

Box Qty	G	T	Pole
100	11.36	5.08	2
100	16.44	10.16	3
50	21.52	15.24	4
50	26.60	20.32	5
50	31.68	25.40	6
50	36.76	30.48	7
50	41.84	35.56	8
50	46.92	40.64	9
50	52.00	45.72	10
50	57.08	50.80	11
50	62.19	55.88	12
50	67.24	60.96	13
50	72.32	66.04	14
50	77.40	71.12	15
50	82.48	76.20	16

unmarked

Part Number	Part Number
25.396.3253.0	
25.396.3353.0	
25.396.3453.0	
25.396.3553.0	
25.396.3653.0	
25.396.3753.0	
25.396.3853.0	
25.396.3953.0	
25.396.4053.0	
25.396.4153.0	
25.396.4253.0	
25.396.4353.0	
25.396.4453.0	
25.396.4553.0	
25.396.4653.0	

unmarked  
open version

Part Number	Part Number
25.397.3253.0	
25.397.3353.0	
25.397.3453.0	
25.397.3553.0	
25.397.3653.0	
25.397.3753.0	
25.397.3853.0	
25.397.3953.0	
25.397.4053.0	
25.397.4153.0	
25.397.4253.0	
25.397.4353.0	
25.397.4453.0	
25.397.4553.0	
25.397.4653.0	

marked  
with insulating plate  
with locating cams

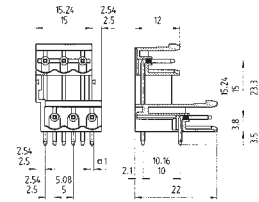
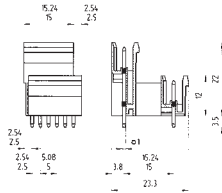
# PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3	10 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A
Solder Pin	1.0 x 1.0 mm	
Drill Hole	1.4 mm	



See Technical Data section for screw material options



Approvals:



<b>series 8113 SE G/W pitch 5.00 mm</b>				unmarked		unmarked	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100		5	2 x 2	25.334.3253.0		25.336.3253.0	
100		10	2 x 3	25.334.3353.0		25.336.3353.0	

<b>series 8213 SE G/W pitch 5.08 mm</b>				unmarked		unmarked	
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100		5.08	2 x 2	25.354.3253.0		25.356.3253.0	
100		10.16	2 x 3	25.354.3353.0		25.356.3353.0	

# PCB headers series 81-8213

pitch 5.00 / 5.08 mm

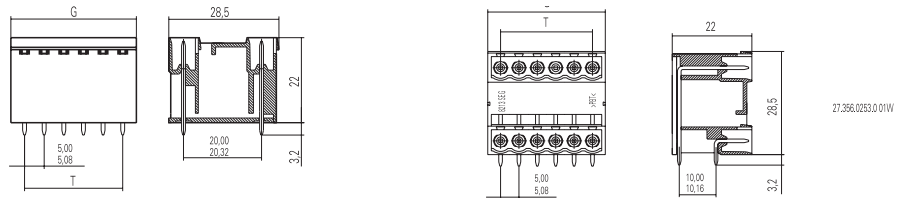
IEC	250 V 4kV/3 cat.3	10 A
	400 V 4kV/2 cat.3	
	400 V 4kV/2 cat.2	
UL	300 V	10 A
CSA	300 V	10 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



2000 piece minimum order quantity  
See Technical Data section for screw material options

Approvals:



## series 81-8213 SEG G/W pitch 5.00 mm

Box Qty	G	T	Pole
100	12	5	4
100	17	10	6
50	22	15	8
50	27	20	10
50	32	25	12
50	37	30	14
50	42	35	16
50	47	40	18
50	52	45	20
50	57	50	22
50	62	55	24
50	67	60	26
50	72	65	28
50	77	70	30
50	82	75	32

unmarked

Part Number	Part Number
27.334.0253.0	
27.334.0353.0	
27.334.0453.0	
27.334.0553.0	
27.334.0653.0	
27.334.0753.0	
27.334.0853.0	
27.334.0953.0	
27.334.1053.0	
27.334.1153.0	
27.334.1253.0	
27.334.1353.0	
27.334.1453.0	
27.334.1553.0	
27.334.1653.0	

unmarked

Part Number	Part Number
27.336.0253.0	
27.336.0353.0	
27.336.0453.0	
27.336.0553.0	
27.336.0653.0	
27.336.0753.0	
27.336.0853.0	
27.336.0953.0	
27.336.1053.0	
27.336.1153.0	
27.336.1253.0	
27.336.1353.0	
27.336.1453.0	
27.336.1553.0	
27.336.1653.0	

## series 81-8213 SE G/W pitch 5.08 mm

Box Qty	G	T	Pole
100	12.16	5.08	4
100	17.24	10.16	6
50	22.32	15.24	8
50	27.40	20.32	10
50	32.48	25.40	12
50	37.56	30.48	14
50	42.64	35.56	16
50	47.72	40.64	18
50	52.80	45.72	20
50	57.88	50.80	22
50	62.96	55.88	24
50	68.04	60.96	26
50	73.12	66.04	28
50	78.20	71.12	30
50	83.28	76.20	32

unmarked

Part Number	Part Number
27.354.0253.0	
27.354.0353.0	
27.354.0453.0	
27.354.0553.0	
27.354.0653.0	
27.354.0753.0	
27.354.0853.0	
27.354.0953.0	
27.354.1053.0	
27.354.1153.0	
27.354.1253.0	
27.354.1353.0	
27.354.1453.0	
27.354.1553.0	
27.354.1653.0	

unmarked

Part Number	Part Number
27.356.0253.0	
27.356.0353.0	
27.356.0453.0	
27.356.0553.0	
27.356.0653.0	
27.356.0753.0	
27.356.0853.0	
27.356.0953.0	
27.356.1053.0	
27.356.1153.0	
27.356.1253.0	
27.356.1353.0	
27.356.1453.0	
27.356.1553.0	
27.356.1653.0	

# PCB headers series 8313 / 8413

pitch 7.50 / 7.62 mm

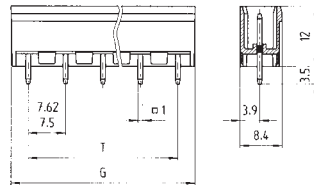
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



series 8313 S G pitch 7.50 mm				unmarked			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	14.20	7.50	2	25.370.3253.0			
100	21.70	15.00	3	25.370.3353.0			
50	29.20	22.50	4	25.370.3453.0			
50	36.70	30.00	5	25.370.3553.0			
50	44.20	37.50	6	25.370.3653.0			
50	51.70	45.00	7	25.370.3753.0			
50	59.20	52.50	8	25.370.3853.0			
50	66.70	60.00	9	25.370.3953.0			
50	74.20	67.50	10	25.370.4053.0			
50	81.70	75.00	11	25.370.4153.0			
50	89.20	82.50	12	25.370.4253.0			

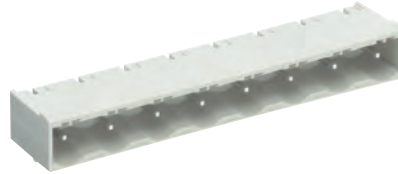
series 8413 S G pitch 7.62 mm				unmarked			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	14.32	7.62	2	25.390.3253.0			
100	21.94	15.24	3	25.390.3353.0			
50	29.56	22.86	4	25.390.3453.0			
50	37.18	30.48	5	25.390.3553.0			
50	44.80	38.10	6	25.390.3653.0			
50	52.42	45.72	7	25.390.3753.0			
50	60.04	53.34	8	25.390.3853.0			
50	67.66	60.64	9	25.390.3953.0			
50	75.28	68.58	10	25.390.4053.0			
50	82.90	76.20	11	25.390.4153.0			
50	90.52	83.82	12	25.390.4253.0			

# PCB headers series 8313 / 8413

pitch 7.50 / 7.62 mm

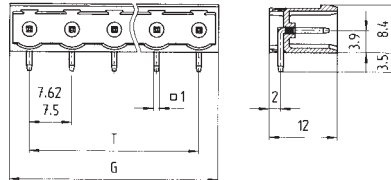
IEC	400 V 4kV cat.3	12 A
	690 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



## series 8313 S W pitch 7.50 mm

Box Qty	G	T	Pole
100	14.40	7.50	2
100	21.90	15.00	3
50	29.40	22.50	4
50	36.90	30.00	5
50	44.40	37.50	6
50	51.90	45.00	7
50	59.40	52.50	8
50	66.90	60.00	9
50	74.40	67.50	10
50	81.90	75.00	11
50	89.40	82.50	12

unmarked

Part Number	Part Number	Part Number	Part Number
25.372.3253.0			
25.372.3353.0			
25.372.3453.0			
25.372.3553.0			
25.372.3653.0			
25.372.3753.0			
25.372.3853.0			
25.372.3953.0			
25.372.4053.0			
25.372.4153.0			
25.372.4253.0			

## series 8413 S W pitch 7.62 mm

Box Qty	G	T	Pole
100	14.52	7.62	2
100	22.14	15.24	3
50	29.76	22.86	4
50	37.38	30.48	5
50	45.00	38.10	6
50	52.62	45.72	7
50	60.24	53.34	8
50	67.86	60.96	9
50	75.48	68.58	10
50	83.10	76.20	11
50	90.72	83.82	12

unmarked

Part Number	Part Number	Part Number	Part Number
25.392.3253.0			
25.392.3353.0			
25.392.3453.0			
25.392.3553.0			
25.392.3653.0			
25.392.3753.0			
25.392.3853.0			
25.392.3953.0			
25.392.4053.0			
25.392.4153.0			
25.392.4253.0			

# PCB headers series 8313 / 8413

pitch 7.50 / 7.62 mm

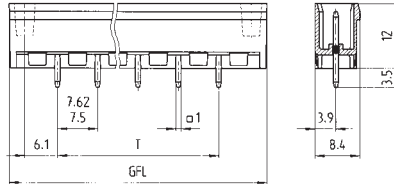
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



### series 8313 S GF pitch 7.50 mm

unmarked  
with screw flange

Box Qty	GFL	T	Pole	Part Number	Part Number	Part Number	Part Number
100	25.54	7.50	2	25.374.6253.0			
100	33.04	15.00	3	25.374.6353.0			
50	40.54	22.50	4	25.374.6453.0			
50	48.04	30.00	5	25.374.6553.0			
50	55.54	37.50	6	25.374.6653.0			
50	63.04	45.00	7	25.374.6753.0			
50	70.54	52.50	8	25.374.6853.0			
50	78.04	60.00	9	25.374.6953.0			
50	85.54	67.50	10	25.374.7053.0			
50	93.04	75.00	11	25.374.7153.0			
50	100.54	82.50	12	25.374.7253.0			

### series 8413 S GF pitch 7.62 mm

unmarked  
with screw flange

Box Qty	GFL	T	Pole	Part Number	Part Number	Part Number	Part Number
100	25.66	7.62	2	25.398.6253.0			
100	33.25	15.24	3	25.398.6353.0			
50	40.90	22.86	4	25.398.6453.0			
50	48.52	30.48	5	25.398.6553.0			
50	56.14	38.10	6	25.398.6653.0			
50	63.76	45.72	7	25.398.6753.0			
50	71.38	53.34	8	25.398.6853.0			
50	79.00	60.64	9	25.398.6953.0			
50	86.62	68.58	10	25.398.7053.0			
50	94.24	76.20	11	25.398.7153.0			
50	101.86	83.82	12	25.398.7253.0			

# PCB headers series 8313 / 8413

pitch 7.50 / 7.62 mm

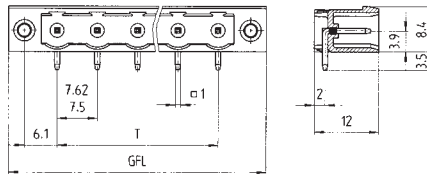
IEC	400 V 4kV cat.3	12 A
	690 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



## series 8313 S WF pitch 7.50 mm

unmarked  
with screw flange

Box Qty	GFL	T	Pole	Part Number	Part Number	Part Number	Part Number
100	25.54	7.50	2	25.374.2253.0			
100	33.04	15.00	3	25.374.2353.0			
50	40.54	22.50	4	25.374.2453.0			
50	48.04	30.00	5	25.374.2553.0			
50	55.54	37.50	6	25.374.2653.0			
50	63.04	45.00	7	25.374.2753.0			
50	70.54	52.50	8	25.374.2853.0			
50	78.04	60.00	9	25.374.2953.0			
50	85.54	67.50	10	25.374.3053.0			
50	93.04	75.00	11	25.374.3153.0			
50	100.54	82.50	12	25.374.3253.0			

## series 8413 S WF pitch 7.62 mm

unmarked  
with screw flange

Box Qty	GFL	T	Pole	Part Number	Part Number	Part Number	Part Number
100	25.66	7.62	2	25.398.2253.0			
100	33.25	15.24	3	25.398.2353.0			
50	40.90	22.86	4	25.398.2453.0			
50	48.52	30.48	5	25.398.2553.0			
50	56.14	38.10	6	25.398.2653.0			
50	63.76	45.72	7	25.398.2753.0			
50	71.38	53.34	8	25.398.2853.0			
50	79.00	60.64	9	25.398.2953.0			
50	86.62	68.58	10	25.398.3053.0			
50	94.24	76.20	11	25.398.3153.0			
50	101.86	83.82	12	25.398.3253.0			

# Pluggable PCB terminals series 8513 / 8813, rising cage clamp system

pitch 3.50 / 3.81 mm

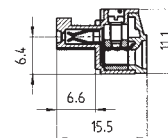
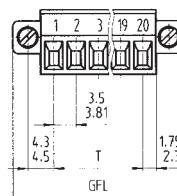
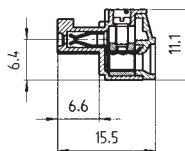
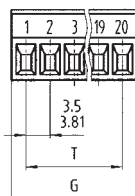
IEC	125 V 2.5kV cat.3 250 V 2.5kV cat.2 690 V 2.5kV cat.1	8 A	0.14 - 1.5 mm <sup>2</sup> (Stranded) 0.14 - 1.5 mm <sup>2</sup> (Solid)
UL	300 V	8 A	30 - 16 AWG
CSA	300 V	5 A	22 - 14 AWG



Wire Strip Length 6.5 mm  
Screw Size M2

See Technical Data section for screw material options

Approvals:



## series 8513 B pitch 3.50 mm

Box Qty	G	T	Pole
100	7.00	3.50	2
100	10.50	7.00	3
50	14.00	10.50	4
50	17.50	14.00	5
50	21.00	17.50	6
50	24.50	21.00	7
50	28.00	24.50	8
50	31.50	28.00	9
50	35.00	31.50	10
50	38.50	35.00	11
50	42.00	38.50	12
50	45.50	42.00	13
50	49.00	45.50	14
50	52.50	49.00	15
50	56.00	52.50	16

unmarked	marked	unmarked with screw flange	unmarked with screw flange
Part Number	Part Number	Part Number	Part Number
25.640.3253.0	25.640.0253.0	25.641.3253.0	25.641.0253.0
25.640.3353.0	25.640.0353.0	25.641.3353.0	25.641.0353.0
25.640.3453.0	25.640.0453.0	25.641.3453.0	25.641.0453.0
25.640.3553.0	25.640.0553.0	25.641.3553.0	25.641.0553.0
25.640.3653.0	25.640.0653.0	25.641.3653.0	25.641.0653.0
25.640.3753.0	25.640.0753.0	25.641.3753.0	25.641.0753.0
25.640.3853.0	25.640.0853.0	25.641.3853.0	25.641.0853.0
25.640.3953.0	25.640.0953.0	25.641.3953.0	25.641.0953.0
25.640.4053.0	25.640.1053.0	25.641.4053.0	25.641.1053.0
25.640.4153.0	25.640.1153.0	25.641.4153.0	25.641.1153.0
25.640.4253.0	25.640.1253.0	25.641.4253.0	25.641.1253.0
25.640.4353.0	25.640.1353.0	25.641.4353.0	25.641.1353.0
25.640.4453.0	25.640.1453.0	25.641.4453.0	25.641.1453.0
25.640.4553.0	25.640.1553.0	25.641.4553.0	25.641.1553.0
25.640.4653.0	25.640.1653.0	25.641.4653.0	25.641.1653.0

## series 8813 B pitch 3.81 mm

Box Qty	G	T	Pole
100	8.41	3.81	2
100	12.22	7.62	3
50	16.03	11.43	4
50	19.84	15.24	5
50	23.65	19.05	6
50	27.46	22.86	7
50	31.27	26.67	8
50	35.08	30.48	9
50	38.89	34.29	10
50	42.70	38.10	11
50	46.51	41.91	12
50	50.32	45.72	13
50	54.13	49.53	14
50	57.94	53.34	15
50	61.75	57.15	16

unmarked	marked	unmarked with screw flange	unmarked with screw flange
Part Number	Part Number	Part Number	Part Number
25.620.3253.0	25.620.0253.0	25.621.3253.0	25.621.0253.0
25.620.3353.0	25.620.0353.0	25.621.3353.0	25.621.0353.0
25.620.3453.0	25.620.0453.0	25.621.3453.0	25.621.0453.0
25.620.3553.0	25.620.0553.0	25.621.3553.0	25.621.0553.0
25.620.3653.0	25.620.0653.0	25.621.3653.0	25.621.0653.0
25.620.3753.0	25.620.0753.0	25.621.3753.0	25.621.0753.0
25.620.3853.0	25.620.0853.0	25.621.3853.0	25.621.0853.0
25.620.3953.0	25.620.0953.0	25.621.3953.0	25.621.0953.0
25.620.4053.0	25.620.1053.0	25.621.4053.0	25.621.1053.0
25.620.4153.0	25.620.1153.0	25.621.4153.0	25.621.1153.0
25.620.4253.0	25.620.1253.0	25.621.4253.0	25.621.1253.0
25.620.4353.0	25.620.1353.0	25.621.4353.0	25.621.1353.0
25.620.4453.0	25.620.1453.0	25.621.4453.0	25.621.1453.0
25.620.4553.0	25.620.1553.0	25.621.4553.0	25.621.1553.0
25.620.4653.0	25.620.1653.0	25.621.4653.0	25.621.1653.0

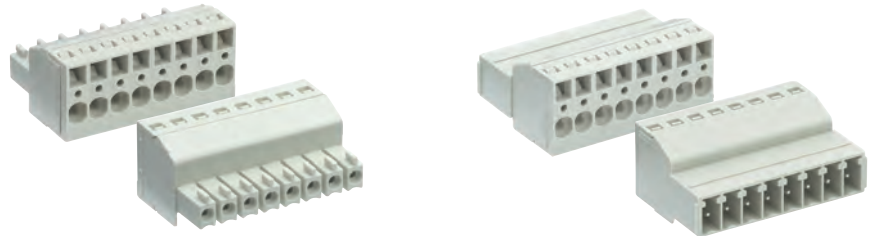
Custom Marking Available  
More poles available on request



# Pluggable PCB terminals series 8513, spring clamp system inverted plug

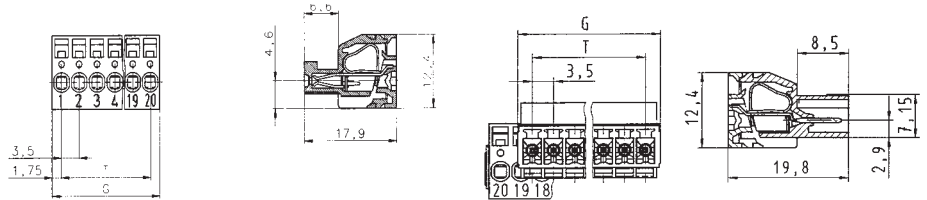
pitch 3.50 mm

IEC	125 V 2.5kV cat.3 250 V 2.5kV cat.2 690 V 2.5kV cat.1	8 A	0.14 – 1.5 mm <sup>2</sup> (Stranded) 0.14 – 1.5 mm <sup>2</sup> (Solid)
UL	300 V	8 A	30 - 16 AWG
CSA	300 V	8 A	22 - 14 AWG
Wire Strip Length	8 mm		



See Technical Data section for screw material options

Approvals:



## series 8513 BFK pitch 3.50 mm

Box Qty	G	T	Pole	unmarked		marked	
				Part Number	Part Number	Part Number	Part Number
100	10.85	3.50	2	25.630.3253.0	25.630.0253.0		
100	15.85	7.00	3	25.630.3353.0	25.630.0353.0		
50	20.85	10.50	4	25.630.3453.0	25.630.0453.0		
50	25.85	14.00	5	25.630.3553.0	25.630.0553.0		
50	30.85	17.50	6	25.630.3653.0	25.630.0653.0		
50	35.85	21.00	7	25.630.3753.0	25.630.0753.0		
50	40.85	24.50	8	25.630.3853.0	25.630.0853.0		
50	45.85	28.00	9	25.630.3953.0	25.630.0953.0		
50	50.85	31.50	10	25.630.4053.0	25.630.1053.0		
50	55.85	35.00	11	25.630.4153.0	25.630.1153.0		
50	60.85	38.50	12	25.630.4253.0	25.630.1253.0		
50	65.85	42.00	13	25.630.4353.0	25.630.1353.0		
50	70.85	45.50	14	25.630.4453.0	25.630.1453.0		
50	75.85	49.00	15	25.630.4553.0	25.630.1553.0		
50	80.85	52.50	16	25.630.4653.0	25.630.1653.0		

## series 8513 SUFK pitch 3.50 mm

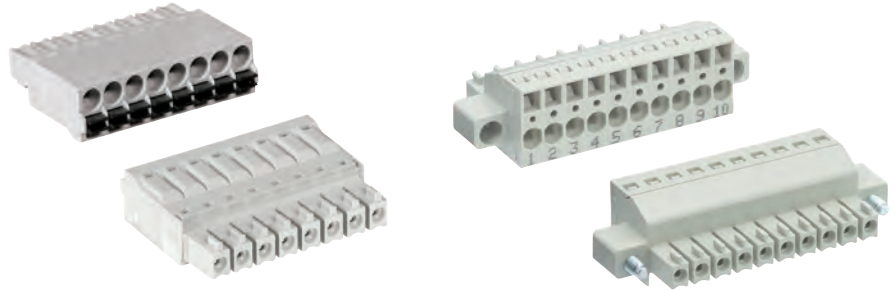
Box Qty	G	T	Pole	unmarked		marked	
				Part Number	Part Number	Part Number	Part Number
100	8.40	3.50	2			25.642.3253.0	25.642.0253.0
100	11.90	7.00	3			25.642.3353.0	25.642.0353.0
50	15.40	10.50	4			25.642.3453.0	25.642.0453.0
50	18.90	14.00	5			25.642.3553.0	25.642.0553.0
50	22.40	17.50	6			25.642.3653.0	25.642.0653.0
50	25.90	21.00	7			25.642.3753.0	25.642.0753.0
50	29.40	24.50	8			25.642.3853.0	25.642.0853.0
50	32.90	28.00	9			25.642.3953.0	25.642.0953.0
50	36.40	31.50	10			25.642.4053.0	25.642.1053.0
50	39.90	35.00	11			25.642.4153.0	25.642.1153.0
50	43.40	38.50	12			25.642.4253.0	25.642.1253.0
50	46.90	42.00	13			25.642.4353.0	25.642.1353.0
50	50.40	45.50	14			25.642.4453.0	25.642.1453.0
50	53.90	49.00	15			25.642.4553.0	25.642.1553.0
50	57.40	52.50	16			25.642.4653.0	25.642.1653.0

Custom Marking Available  
More poles available on request

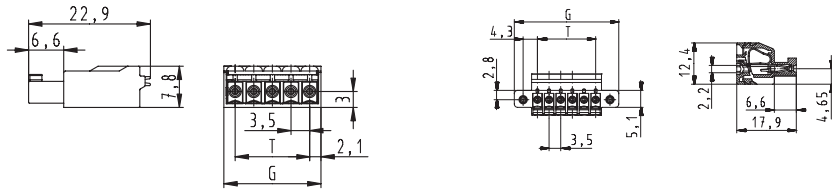
# Pluggable PCB terminals series 8513, spring cage connection

pitch 3.50 mm

IEC	125 V 2.5kV cat.3	8 A
	250 V 2.5kV cat.2	
UL	300 V	8 A
CSA	300 V	5 A
Wire Strip Length	8 mm	



See Technical Data section for screw material options



Approvals:



## series 8513 BS / BFK OB pitch 3.50 mm

Box Qty	G	T	Pole
100	8.40	3.50	2
100	11.90	7.00	3
50	15.40	10.50	4
50	18.90	14.00	5
50	22.40	17.50	6
50	25.90	21.00	7
50	29.40	24.50	8
50	32.90	28.00	9
50	36.40	31.50	10
50	39.90	35.00	11
50	43.40	38.50	12
50	46.90	42.00	13
50	50.40	45.50	14
50	53.90	49.00	15
50	57.40	52.50	16

unmarked

Part Number	Part Number
27.630.3253.0	
27.630.3353.0	
27.630.3453.0	
27.630.3553.0	
27.630.3653.0	
27.630.3753.0	
27.630.3853.0	
27.630.3953.0	
27.630.3953.0	
27.630.4153.0	
27.630.4253.0	
27.630.4353.0	
27.630.4453.0	
27.630.4553.0	
27.630.4653.0	

unmarked  
with screw flange

Part Number	Part Number
25.631.3253.0	
25.631.3353.0	
25.631.3453.0	
25.631.3553.0	
25.631.3653.0	
25.631.3753.0	
25.631.3853.0	
25.631.3953.0	
25.631.4053.0	
25.631.4153.0	
25.631.4253.0	
25.631.4353.0	
25.631.4453.0	
25.631.4553.0	
25.631.4653.0	

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

Custom Marking Available  
More poles available on request

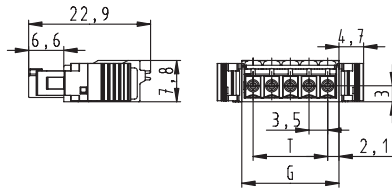
# Pluggable PCB terminals series 8513, spring cage connection

pitch 3.50 mm

IEC	125 V 2.5kV cat.3 250 V 2.5kV cat.2	8 A
UL	300 V	8 A
CSA	300 V	5 A
Wire Strip Length	10 mm	



See Technical Data section for screw material options



Approvals:



## series 8513 BS F2 OB pitch 3.50 mm

With snap-in flange

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	8.40	3.50	2	27.631.3253.0			
100	11.90	7.00	3	27.631.3353.0			
50	15.40	10.50	4	27.631.3453.0			
50	18.90	14.00	5	27.631.3553.0			
50	22.40	17.50	6	27.631.3653.0			
50	25.90	21.00	7	27.631.3753.0			
50	29.40	24.50	8	27.631.3853.0			
50	32.90	28.00	9	27.631.3953.0			
50	36.40	31.50	10	27.631.3953.0			
50	39.90	35.00	11	27.631.4153.0			
50	43.40	38.50	12	27.631.4253.0			
50	46.90	42.00	13	27.631.4353.0			
50	50.40	45.50	14	27.631.4453.0			
50	53.90	49.00	15	27.631.4553.0			
50	57.40	52.50	16	27.631.4653.0			

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

# Pluggable PCB terminals series 8513, rising cage clamp system inverted plug

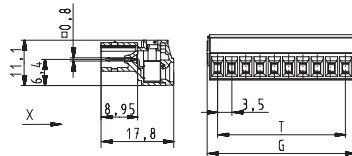
pitch 3.50 mm

IEC	125 V 2.5kV cat.3 250 V 2.5kV cat.2	8 A	0.14 - 1.5 mm <sup>2</sup> (Stranded) 0.14 - 1.5 mm <sup>2</sup> (Solid)
UL	300 V	8 A	22 -16 AWG
CSA	300 V	5 A	22 -16 AWG



Wire Strip Length	6.5 mm
Screw Size	M2.5

See Technical Data section for screw material options



Approvals:



**series 8513 SU OB**  
**pitch 3.50 mm**

unmarked

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	8.40	3.50	2	25.648.3253.0			
100	11.90	7.00	3	25.648.3353.0			
50	15.40	10.50	4	25.648.3453.0			
50	18.90	14.00	5	25.648.3553.0			
50	22.40	17.50	6	25.648.3653.0			
50	25.90	21.00	7	25.648.3753.0			
50	29.40	24.50	8	25.648.3853.0			
50	32.90	28.00	9	25.648.3953.0			
50	36.40	31.50	10	25.648.4053.0			
50	39.90	35.00	11	25.648.4153.0			
50	43.40	38.50	12	25.648.4253.0			
50	46.90	42.00	13	25.648.4353.0			
50	50.40	45.50	14	25.648.4453.0			
50	53.90	49.00	15	25.648.4553.0			
50	57.40	52.50	16	25.648.4653.0			

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

Custom Marking Available  
More poles available on request

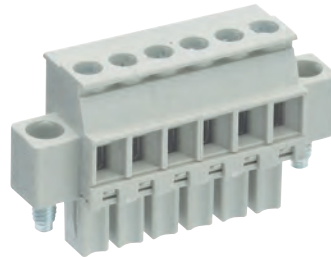




# Pluggable PCB terminals series 8813, rising cage clamp system

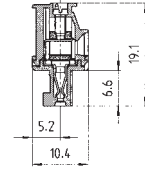
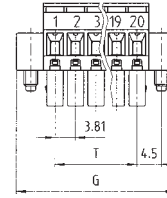
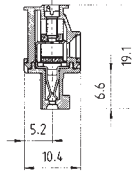
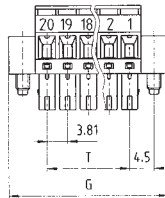
pitch 3.81 mm

IEC	125 V 2.5kV cat.3	8 A	0.14 - 1.5 mm <sup>2</sup> (Stranded)
	250 V 2.5kV cat.2		0.14 - 1.5 mm <sup>2</sup> (Solid)
	690 V 2.5kV cat.1		
UL	300 V	8 A	30 - 16 AWG
CSA	300 V	5 A	22 - 14 AWG
Wire Strip Length	6.5 mm		
Screw Size	M2		



See Technical Data section for screw material options

Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

**series 8813 B VRF/VLF  
pitch 3.81 mm**

Box Qty	G	T	Pole	unmarked with screw flange	marked with screw flange	unmarked with screw flange	marked with screw flange
				Part Number	Part Number	Part Number	Part Number
100	8.41	3.81	2	25.623.3253.0	25.623.0253.0	25.625.3253.0	25.625.0253.0
100	12.22	7.62	3	25.623.3353.0	25.623.0353.0	25.625.3353.0	25.625.0353.0
50	16.03	11.43	4	25.623.3453.0	25.623.0453.0	25.625.3453.0	25.625.0453.0
50	19.84	15.24	5	25.623.3553.0	25.623.0553.0	25.625.3553.0	25.625.0553.0
50	23.65	19.05	6	25.623.3653.0	25.623.0653.0	25.625.3653.0	25.625.0653.0
50	27.46	22.86	7	25.623.3753.0	25.623.0753.0	25.625.3753.0	25.625.0753.0
50	31.27	26.67	8	25.623.3853.0	25.623.0853.0	25.625.3853.0	25.625.0853.0
50	35.08	30.48	9	25.623.3953.0	25.623.0953.0	25.625.3953.0	25.625.0953.0
50	38.89	34.29	10	25.623.4053.0	25.623.1053.0	25.625.4053.0	25.625.1053.0
50	42.70	38.10	11	25.623.4153.0	25.623.1153.0	25.625.4153.0	25.625.1153.0
50	46.51	41.91	12	25.623.4253.0	25.623.1253.0	25.625.4253.0	25.625.1253.0
50	50.32	45.72	13	25.623.4353.0	25.623.1353.0	25.625.4353.0	25.625.1353.0
50	54.13	49.53	14	25.623.4453.0	25.623.1453.0	25.625.4453.0	25.625.1453.0
50	57.94	53.34	15	25.623.4553.0	25.623.1553.0	25.625.4553.0	25.625.1553.0
50	61.75	57.15	16	25.623.4653.0	25.640.1653.0	25.625.4653.0	25.625.1653.0

Custom Marking Available  
More poles available on request





# Pluggable PCB terminals series 8113 / 8213, rising cage clamp

pitch 5.00 / 5.08 mm

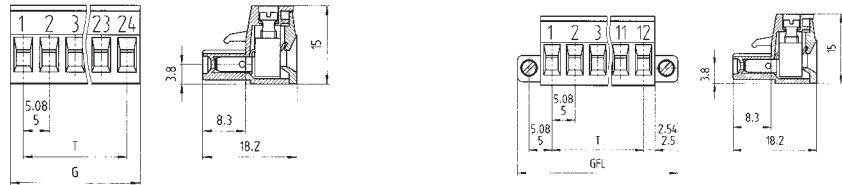
IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A	22 - 12 AWG
CSA	300 V	15 A	22 - 12 AWG

Wire Strip Length 6.0 mm  
Screw Size M3



See Technical Data section for screw material options

Approvals:



## series 8113 B / F OB pitch 5.00 mm

Box Qty	G	T	Pole	unmarked		unmarked with screw flange	
				Part Number	Part Number	Part Number	Part Number
100	10	5	2	25.320.3253.0	25.320.0253.0	25.322.3253.0	25.322.0253.0
100	15	10	3	25.320.3353.0	25.320.0353.0	25.322.3353.0	25.322.0353.0
50	20	15	4	25.320.3453.0	25.320.0453.0	25.322.3453.0	25.322.0453.0
50	25	20	5	25.320.3553.0	25.320.0553.0	25.322.3553.0	25.322.0553.0
50	30	25	6	25.320.3653.0	25.320.0653.0	25.322.3653.0	25.322.0653.0
50	35	30	7	25.320.3753.0	25.320.0753.0	25.322.3753.0	25.322.0753.0
50	40	35	8	25.320.3853.0	25.320.0853.0	25.322.3853.0	25.322.0853.0
50	45	40	9	25.320.3953.0	25.320.0953.0	25.322.3953.0	25.322.0953.0
50	50	45	10	25.320.4053.0	25.320.1053.0	25.322.4053.0	25.322.1053.0
50	55	50	11	25.320.4153.0	25.320.1153.0	25.322.4153.0	25.322.1153.0
50	60	55	12	25.320.4253.0	25.320.1253.0	25.322.4253.0	25.322.1253.0
50	65	60	13	25.320.4353.0	25.320.1353.0	25.322.4353.0	25.322.1353.0
50	70	65	14	25.320.4453.0	25.320.1453.0	25.322.4453.0	25.322.1453.0
50	75	70	15	25.320.4553.0	25.320.1553.0	25.322.4553.0	25.322.1553.0
50	80	75	16	25.320.4653.0	25.320.1653.0	25.322.4653.0	25.322.1653.0

## series 8213 B / F OB pitch 5.08 mm

Box Qty	G	T	Pole	unmarked		unmarked with screw flange	
				Part Number	Part Number	Part Number	Part Number
100	10.16	5.08	2	25.340.3253.0	25.340.0253.0	25.323.3253.0	25.323.0253.0
100	15.24	10.16	3	25.340.3353.0	25.340.0353.0	25.323.3353.0	25.323.0353.0
50	20.32	15.24	4	25.340.3453.0	25.340.0453.0	25.323.3453.0	25.323.0453.0
50	25.40	20.32	5	25.340.3553.0	25.340.0553.0	25.323.3553.0	25.323.0553.0
50	30.48	25.40	6	25.340.3653.0	25.340.0653.0	25.323.3653.0	25.323.0653.0
50	35.56	30.48	7	25.340.3753.0	25.340.0753.0	25.323.3753.0	25.323.0753.0
50	40.64	35.56	8	25.340.3853.0	25.340.0853.0	25.323.3853.0	25.323.0853.0
50	45.72	40.64	9	25.340.3953.0	25.340.0953.0	25.323.3953.0	25.323.0953.0
50	50.80	45.72	10	25.340.4053.0	25.340.1053.0	25.323.4053.0	25.323.1053.0
50	55.88	50.80	11	25.340.4153.0	25.340.1153.0	25.323.4153.0	25.323.1153.0
50	60.96	55.88	12	25.340.4253.0	25.340.1253.0	25.323.4253.0	25.323.1253.0
50	66.04	60.96	13	25.340.4353.0	25.340.1353.0	25.323.4353.0	25.323.1353.0
50	71.12	66.04	14	25.340.4453.0	25.340.1453.0	25.323.4453.0	25.323.1453.0
50	76.20	71.12	15	25.340.4553.0	25.340.1553.0	25.323.4553.0	25.323.1553.0
50	81.28	76.20	16	25.340.4653.0	25.340.1653.0	25.323.4653.0	25.323.1653.0

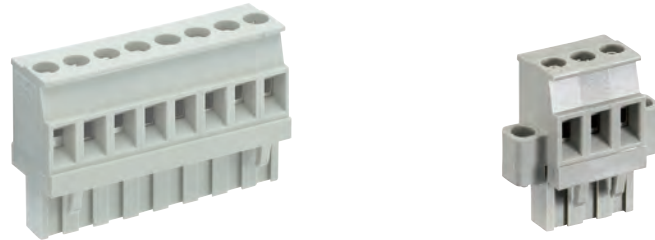
Custom Marking Available  
More poles available on request

# Pluggable PCB terminals series 8113 / 8213, rising cage clamp system

pitch 5.00 / 5.08 mm

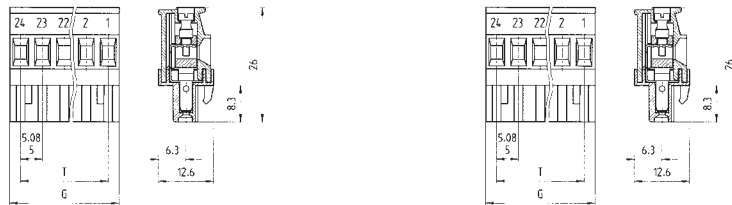
IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A	22 - 12 AWG
CSA	300 V	15 A	22 - 12 AWG

Wire Strip Length 6.0 mm  
Screw Size M3



See Technical Data section for screw material options

Approvals:



## series 8113 B VR / F pitch 5.00 mm

Box Qty	G	T	Pole	unmarked		marked	
				Part Number	Part Number	Part Number	Part Number
100	10	5	2	25.325.3253.0	25.325.0253.0		
100	15	10	3	25.325.3353.0	25.325.0353.0		
50	20	15	4	25.325.3453.0	25.325.0453.0		
50	25	20	5	25.325.3553.0	25.325.0553.0		
50	30	25	6	25.325.3653.0	25.325.0653.0		
50	35	30	7	25.325.3753.0	25.325.0753.0		
50	40	35	8	25.325.3853.0	25.325.0853.0		
50	45	40	9	25.325.3953.0	25.325.0953.0		
50	50	45	10	25.325.4053.0	25.325.1053.0		
50	55	50	11	25.325.4153.0	25.325.1153.0		
50	60	55	12	25.325.4253.0	25.325.1253.0		
50	65	60	13	25.325.4353.0	25.325.1353.0		
50	70	65	14	25.325.4453.0	25.325.1453.0		
50	75	70	15	25.325.4553.0	25.325.1553.0		
50	80	75	16	25.325.4653.0	25.325.1653.0		

## series 8213 B VR / F pitch 5.08 mm

Box Qty	G	T	Pole	unmarked		marked		unmarked with screw flange		marked with screw flange	
				Part Number	Part Number	Part Number	Part Number	Part Number	Part Number		
100	10.16	5.08	2	25.345.3253.0	25.345.0253.0	25.344.3253.0	25.344.0253.0				
100	15.24	10.16	3	25.345.3353.0	25.345.0353.0	25.344.3353.0	25.344.0353.0				
50	20.32	15.24	4	25.345.3453.0	25.345.0453.0	25.344.3453.0	25.344.0453.0				
50	25.40	20.32	5	25.345.3553.0	25.345.0553.0	25.344.3553.0	25.344.0553.0				
50	30.48	25.40	6	25.345.3653.0	25.345.0653.0	25.344.3653.0	25.344.0653.0				
50	35.56	30.48	7	25.345.3753.0	25.345.0753.0	25.344.3753.0	25.344.0753.0				
50	40.64	35.56	8	25.345.3853.0	25.345.0853.0	25.344.3853.0	25.344.0853.0				
50	45.72	40.64	9	25.345.3953.0	25.345.0953.0	25.344.3953.0	25.344.0953.0				
50	50.80	45.72	10	25.345.4053.0	25.345.1053.0	25.344.4053.0	25.344.1053.0				
50	55.88	50.80	11	25.345.4153.0	25.345.1153.0	25.344.4153.0	25.344.1153.0				
50	60.96	55.88	12	25.345.4253.0	25.345.1253.0	25.344.4253.0	25.344.1253.0				
50	66.04	60.96	13	25.345.4353.0	25.345.1353.0	25.344.4353.0	25.344.1353.0				
50	71.12	66.04	14	25.345.4453.0	25.345.1453.0	25.344.4453.0	25.344.1453.0				
50	76.20	71.12	15	25.345.4553.0	25.345.1553.0	25.344.4553.0	25.344.1553.0				
50	81.28	76.20	16	25.345.4653.0	25.345.1653.0	25.344.4653.0	25.344.1653.0				

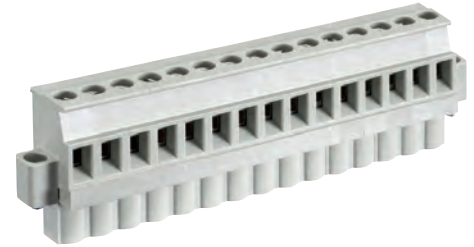
Custom Marking Available  
More poles available on request

# Pluggable PCB terminals series 8113 / 8213, rising cage clamp system

pitch 5.00 / 5.08 mm

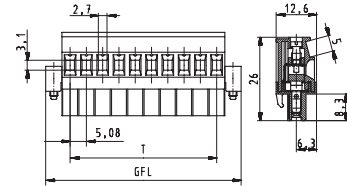
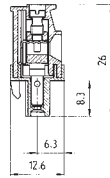
IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A	22 - 12 AWG
CSA	300 V	15 A	22 - 12 AWG

Wire Strip Length 6.0 mm  
Screw Size M3



See Technical Data section for screw material options

Approvals:



## series 8113 B VL / F pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

unmarked

marked

Part Number	Part Number	Part Number	Part Number
25.326.3253.0	25.326.0253.0		
25.326.3353.0	25.326.0353.0		
25.326.3453.0	25.326.0453.0		
25.326.3553.0	25.326.0553.0		
25.326.3653.0	25.326.0653.0		
25.326.3753.0	25.326.0753.0		
25.326.3853.0	25.326.0853.0		
25.326.3953.0	25.326.0953.0		
25.326.4053.0	25.326.1053.0		
25.326.4153.0	25.326.1153.0		
25.326.4253.0	25.326.1253.0		
25.326.4353.0	25.326.1353.0		
25.326.4453.0	25.326.1453.0		
25.326.4553.0	25.326.1553.0		
25.326.4653.0	25.326.1653.0		

## series 8213 B VL / F pitch 5.08 mm

Box Qty	G	T	Pole
100	10.16	5.08	2
100	15.24	10.16	3
50	20.32	15.24	4
50	25.40	20.32	5
50	30.48	25.40	6
50	35.56	30.48	7
50	40.64	35.56	8
50	45.72	40.64	9
50	50.80	45.72	10
50	55.88	50.80	11
50	60.96	55.88	12
50	66.04	60.96	13
50	71.12	66.04	14
50	76.20	71.12	15
50	81.28	76.20	16

unmarked

marked

unmarked  
with screw flange

marked  
with screw flange

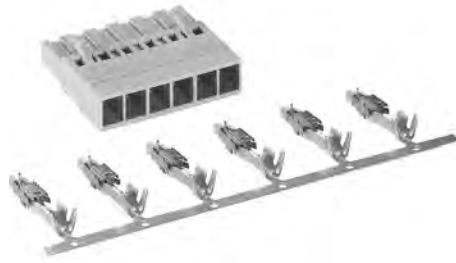
Part Number	Part Number	Part Number	Part Number
25.346.3253.0	25.346.0253.0	25.349.3253.0	25.349.0253.0
25.346.3353.0	25.346.0353.0	25.349.3353.0	25.349.0353.0
25.346.3453.0	25.346.0453.0	25.349.3453.0	25.349.0453.0
25.346.3553.0	25.346.0553.0	25.349.3553.0	25.349.0553.0
25.346.3653.0	25.346.0653.0	25.349.3653.0	25.349.0653.0
25.346.3753.0	25.346.0753.0	25.349.3753.0	25.349.0753.0
25.346.3853.0	25.346.0853.0	25.349.3853.0	25.349.0853.0
25.346.3953.0	25.346.0953.0	25.349.3953.0	25.349.0953.0
25.346.4053.0	25.346.1053.0	25.349.4053.0	25.349.1053.0
25.346.4153.0	25.346.1153.0	25.349.4153.0	25.349.1153.0
25.346.4253.0	25.346.1253.0	25.349.4253.0	25.349.1253.0
25.346.4353.0	25.346.1353.0	25.349.4353.0	25.349.1353.0
25.346.4453.0	25.346.1453.0	25.349.4453.0	25.349.1453.0
25.346.4553.0	25.346.1553.0	25.349.4553.0	25.349.1553.0
25.346.4653.0	25.346.1653.0	25.349.4653.0	25.349.1653.0



# Crimp connection series 8113

pitch 5.00mm

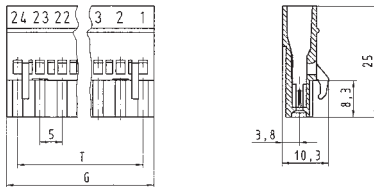
IEC	250 V 4kV cat.3	10 A	0.5 - 1.0 mm <sup>2</sup> (Stranded)
	400 V 4kV cat.2	12 A	1.5 - 2.5 mm <sup>2</sup> (Stranded)
	1000 V 4kV cat.1		
UL			
CSA			



Wire Strip Length 4.0 mm

See Technical Data section for screw material options

Approvals:



## series 8113 BK pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

unmarked

marked

Part Number	Part Number	Part Number	Part Number
01.060.3253.0	01.060.0253.0		
01.060.3353.0	01.060.0353.0		
01.060.3453.0	01.060.0453.0		
01.060.3553.0	01.060.0553.0		
01.060.3653.0	01.060.0653.0		
01.060.3753.0	01.060.0753.0		
01.060.3853.0	01.060.0853.0		
01.060.3953.0	01.060.0953.0		
01.060.4053.0	01.060.1053.0		
01.060.4153.0	01.060.1153.0		
01.060.4253.0	01.060.1253.0		
01.060.4353.0	01.060.1353.0		
01.060.4453.0	01.060.1453.0		
01.060.4553.0	01.060.1553.0		
01.060.4653.0	01.060.1653.0		

## series 8113 BK pitch 5.00 mm

Box Qty	Pole	
500	500	Single contacts
3500	3500	Strip
1		Crimp tool
1		Crimp die

crimp contacts  
0.5 - 1.0 mm<sup>2</sup>

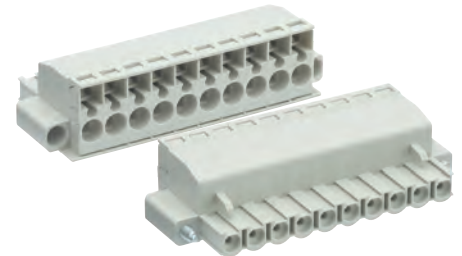
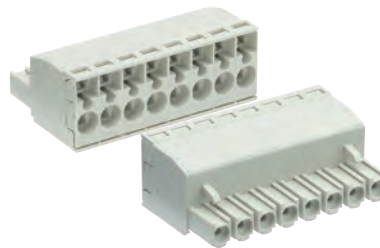
crimp contacts  
1.5 - 2.5 mm<sup>2</sup>

Part Number	Part Number	Part Number	Part Number
02.125.1629.0	02.125.1729.0		
02.125.1600.0	02.125.1700.0		
95.101.0800.0	95.101.0800.0		
05.502.2500.0	05.502.2500.0		

# Pluggable PCB terminals series 8113 / 8213, spring clamp system

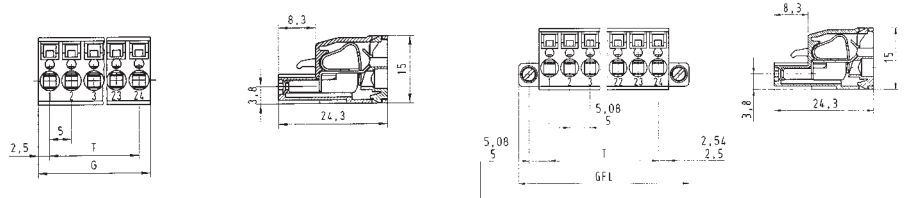
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	12 A	22 - 12 AWG
CSA		12 A	22 - 12 AWG
Wire Strip Length			11.0 mm



See Technical Data section for screw material options

Approvals:



## series 8113 BFK/BFK F pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

unmarked	marked	unmarked with screw flange	marked with screw flange
Part Number	Part Number	Part Number	Part Number
25.820.3253.0	25.820.0253.0	25.821.3253.0	25.821.0253.0
25.820.3353.0	25.820.0353.0	25.821.3353.0	25.821.0353.0
25.820.3453.0	25.820.0453.0	25.821.3453.0	25.821.0453.0
25.820.3553.0	25.820.0553.0	25.821.3553.0	25.821.0553.0
25.820.3653.0	25.820.0653.0	25.821.3653.0	25.821.0653.0
25.820.3753.0	25.820.0753.0	25.821.3753.0	25.821.0753.0
25.820.3853.0	25.820.0853.0	25.821.3853.0	25.821.0853.0
25.820.3953.0	25.820.0953.0	25.821.3953.0	25.821.0953.0
25.820.4053.0	25.820.1053.0	25.821.4053.0	25.821.1053.0
25.820.4153.0	25.820.1153.0	25.821.4153.0	25.821.1153.0
25.820.4253.0	25.820.1253.0	25.821.4253.0	25.821.1253.0
25.820.4353.0	25.820.1353.0	25.821.4353.0	25.821.1353.0
25.820.4453.0	25.820.1453.0	25.821.4453.0	25.821.1453.0
25.820.4553.0	25.820.1553.0	25.821.4553.0	25.821.1553.0
25.820.4653.0	25.820.1653.0	25.821.4653.0	25.821.1653.0

## series 8213 BFK/BFK F pitch 5.08 mm

Box Qty	G	T	Pole
100	10.16	5.08	2
100	15.24	10.16	3
50	20.32	15.24	4
50	25.40	20.32	5
50	30.48	25.40	6
50	35.56	30.48	7
50	40.64	35.56	8
50	45.72	40.64	9
50	50.80	45.72	10
50	55.88	50.80	11
50	60.96	55.88	12
50	66.04	60.96	13
50	71.12	66.04	14
50	76.20	71.12	15
50	81.28	76.20	16

unmarked	marked	unmarked with screw flange	marked with screw flange
Part Number	Part Number	Part Number	Part Number
25.840.3253.0	25.840.0253.0	25.841.3253.0	25.841.0253.0
25.840.3353.0	25.840.0353.0	25.841.3353.0	25.841.0353.0
25.840.3453.0	25.840.0453.0	25.841.3453.0	25.841.0453.0
25.840.3553.0	25.840.0553.0	25.841.3553.0	25.841.0553.0
25.840.3653.0	25.840.0653.0	25.841.3653.0	25.841.0653.0
25.840.3753.0	25.840.0753.0	25.841.3753.0	25.841.0753.0
25.840.3853.0	25.840.0853.0	25.841.3853.0	25.841.0853.0
25.840.3953.0	25.840.0953.0	25.841.3953.0	25.841.0953.0
25.840.4053.0	25.840.1053.0	25.841.4053.0	25.841.1053.0
25.840.4153.0	25.840.1153.0	25.841.4153.0	25.841.1153.0
25.840.4253.0	25.840.1253.0	25.841.4253.0	25.841.1253.0
25.840.4353.0	25.840.1353.0	25.841.4353.0	25.841.1353.0
25.840.4453.0	25.840.1453.0	25.841.4453.0	25.841.1453.0
25.840.4553.0	25.840.1553.0	25.841.4553.0	25.841.1553.0
25.840.4653.0	25.840.1653.0	25.841.4653.0	25.841.1653.0

Custom Marking Available  
More poles available on request

# Pluggable PCB terminals series 8113 / 8213, spring clamp system

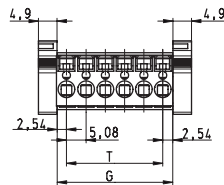
pitch 5.00 / 5.08 mm

IEC	250 V 4kV cat.3	12 A
UL	300 V	12 A
CSA	300 V	12 A

Wire Strip Length 11.0 mm



See Technical Data section for screw material options



Approvals:



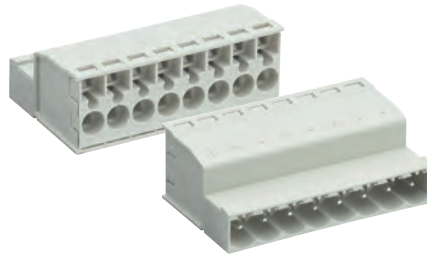
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 8213 BFK F / F2 pitch 5.08 mm				snap-in flange unmarked	snap-in flange marked	Part Number	Part Number
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10.16	5.08	2	25.843.3253.0	25.843.0253.0		
100	15.24	10.16	3	25.843.3353.0	25.843.0353.0		
50	20.32	15.24	4	25.843.3453.0	25.843.0453.0		
50	25.40	20.32	5	25.843.3553.0	25.843.0553.0		
50	30.48	25.40	6	25.843.3653.0	25.843.0653.0		
50	35.56	30.48	7	25.843.3753.0	25.843.0753.0		
50	40.64	35.56	8	25.843.3853.0	25.843.0853.0		
50	45.72	40.64	9	25.843.3953.0	25.843.0953.0		
50	50.80	45.72	10	25.843.4053.0	25.843.0053.0		
50	55.88	50.80	11	25.843.4153.0	25.843.0153.0		
50	60.96	55.88	12	25.843.4253.0	25.843.0253.0		
50	66.04	60.96	13	25.843.4353.0	25.843.0353.0		
50	71.12	66.04	14	25.843.4453.0	25.843.0453.0		
50	76.20	71.12	15	25.843.4553.0	25.843.0553.0		
50	81.28	76.20	16	25.843.4653.0	25.843.0653.0		

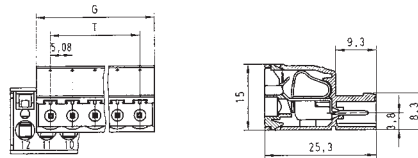
# Pluggable PCB terminal series 8213, spring clamp system inverted plug

pitch 5.08 mm

IEC	250 V 4kV cat.3	12A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	400 V 4kV cat.2		0.14 - 2.5 mm <sup>2</sup> (Solid)
	1000 V 4kV cat.1		
UL	300 V	12 A	22 - 12 AWG
CSA	300 V	12 A	22 - 12 AWG
Wire Strip Length		11.0 mm	



See Technical Data section for screw material options



Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 8213 SUFK pitch 5.08 mm				unmarked	marked	Part Number	Part Number
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10.16	5.08	2	25.857.3253.0	25.857.0253.0		
100	15.24	10.16	3	25.857.3353.0	25.857.0353.0		
50	20.32	15.24	4	25.857.3453.0	25.857.0453.0		
50	25.40	20.32	5	25.857.3553.0	25.857.0553.0		
50	30.48	25.40	6	25.857.3653.0	25.857.0653.0		
50	35.56	30.48	7	25.857.3753.0	25.857.0753.0		
50	40.64	35.56	8	25.857.3853.0	25.857.0853.0		
50	45.72	40.64	9	25.857.3953.0	25.857.0953.0		
50	50.80	45.72	10	25.857.4053.0	25.857.1053.0		
50	55.88	50.80	11	25.857.4153.0	25.857.1153.0		
50	60.96	55.88	12	25.857.4253.0	25.857.1253.0		
50	66.04	60.96	13	25.857.4353.0	25.857.1353.0		
50	71.12	66.04	14	25.857.4453.0	25.857.1453.0		
50	76.20	71.12	15	25.857.4553.0	25.857.1553.0		
50	81.28	76.20	16	25.857.4653.0	25.857.1653.0		

Custom Marking Available  
More poles available on request



# Pluggable PCB terminals series 8113 / 8213, TOP connection system

pitch 5.00 / 5.08 mm

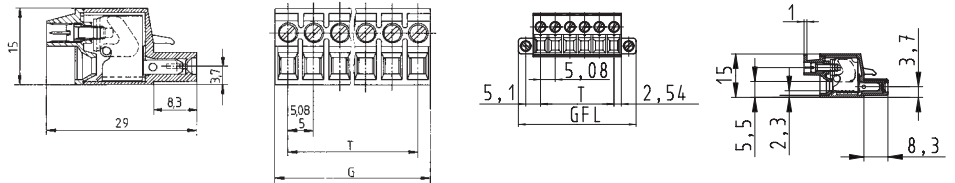
IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A	22 - 12 AWG
CSA	300 V	15 A	22 - 12 AWG

Wire Strip Length 9.5 mm  
Screw Size M2.5



See Technical Data section for screw material options

Approvals:



## series 8113 B TOP pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

unmarked

marked

Part Number	Part Number	Part Number	Part Number
25.220.3253.0	25.220.0253.0		
25.220.3353.0	25.220.0353.0		
25.220.3453.0	25.220.0453.0		
25.220.3553.0	25.220.0553.0		
25.220.3653.0	25.220.0653.0		
25.220.3753.0	25.220.0753.0		
25.220.3853.0	25.220.0853.0		
25.220.3953.0	25.220.0953.0		
25.220.4053.0	25.220.1053.0		
25.220.4153.0	25.220.1153.0		
25.220.4253.0	25.220.1253.0		
25.220.4353.0	25.220.1353.0		
25.220.4453.0	25.220.1453.0		
25.220.4553.0	25.220.1553.0		
25.220.4653.0	25.220.1653.0		

## series 8213 B TOP / F pitch 5.08 mm

Box Qty	G	T	Pole
100	10.16	5.08	2
100	15.24	10.16	3
50	20.32	15.24	4
50	25.40	20.32	5
50	30.48	25.40	6
50	35.56	30.48	7
50	40.64	35.56	8
50	45.72	40.64	9
50	50.80	45.72	10
50	55.88	50.80	11
50	60.96	55.88	12
50	66.04	60.96	13
50	71.12	66.04	14
50	76.20	71.12	15
50	81.28	76.20	16

unmarked

marked

unmarked  
with screw flange

marked  
with screw flange

Part Number	Part Number	Part Number	Part Number
25.240.3253.0	25.240.0253.0	25.245.3253.0	25.245.0253.0
25.240.3353.0	25.240.0353.0	25.245.3353.0	25.245.0353.0
25.240.3453.0	25.240.0453.0	25.245.3453.0	25.245.0453.0
25.240.3553.0	25.240.0553.0	25.245.3553.0	25.245.0553.0
25.240.3653.0	25.240.0653.0	25.245.3653.0	25.245.0653.0
25.240.3753.0	25.240.0753.0	25.245.3753.0	25.245.0753.0
25.240.3853.0	25.240.0853.0	25.245.3853.0	25.245.0853.0
25.240.3953.0	25.240.0953.0	25.245.3953.0	25.245.0953.0
25.240.4053.0	25.240.1053.0	25.245.4053.0	25.245.1053.0
25.240.4153.0	25.240.1153.0	25.245.4153.0	25.245.1153.0
25.240.4253.0	25.240.1253.0	25.245.4253.0	25.245.1253.0
25.240.4353.0	25.240.1353.0	25.245.4353.0	25.245.1353.0
25.240.4453.0	25.240.1453.0	25.245.4453.0	25.245.1453.0
25.240.4553.0	25.240.1553.0	25.245.4553.0	25.245.1553.0
25.240.4653.0	25.240.1653.0	25.245.4653.0	25.245.1653.0

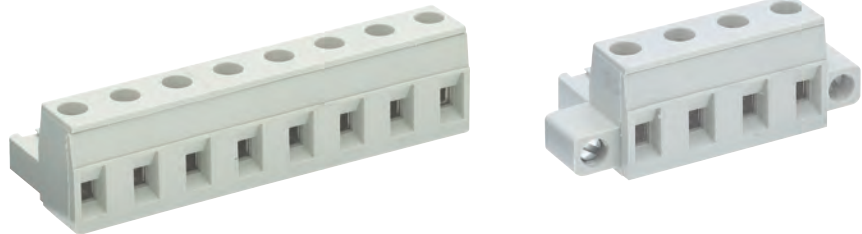




# Pluggable PCB terminals series 8313 / 8413, rising cage clamp system

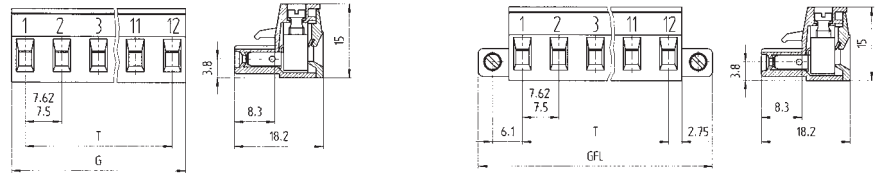
pitch 7.50 / 7.62 mm

IEC	400 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 2.5 mm <sup>2</sup> (Solid)
UL	300 V	15 A	22 - 12 AWG
CSA	300 V	15 A	22 - 12 AWG
Wire Strip Length	6.0 mm		
Screw Size	M3		



See Technical Data section for screw material options

Approvals:



## series 8313 B/B F pitch 7.50 mm

Box Qty	G	T	Pole
100	13.00	7.50	2
100	20.50	15.00	3
50	28.00	22.50	4
50	35.50	30.00	5
50	43.00	37.50	6
50	50.50	45.00	7
50	58.00	52.50	8
50	65.50	60.00	9
50	73.00	67.50	10
50	80.50	75.00	11
50	88.00	82.50	12

unmarked	marked	unmarked with screw flange	marked with screw flange
Part Number	Part Number	Part Number	Part Number
25.360.3253.0	25.360.0253.0	25.324.2253.0	25.324.0253.0
25.360.3353.0	25.360.0353.0	25.324.2353.0	25.324.0353.0
25.360.3453.0	25.360.0453.0	25.324.2453.0	25.324.0453.0
25.360.3553.0	25.360.0553.0	25.324.2553.0	25.324.0553.0
25.360.3653.0	25.360.0653.0	25.324.2653.0	25.324.0653.0
25.360.3753.0	25.360.0753.0	25.324.2753.0	25.324.0753.0
25.360.3853.0	25.360.0853.0	25.324.2853.0	25.324.0853.0
25.360.3953.0	25.360.0953.0	25.324.2953.0	25.324.0953.0
25.360.4053.0	25.360.1053.0	25.324.3053.0	25.324.1053.0
25.360.4153.0	25.360.1153.0	25.324.3153.0	25.324.1153.0
25.360.4253.0	25.360.1253.0	25.324.3253.0	25.324.1253.0

## series 8413 B/B F pitch 7.62 mm

Box Qty	G	T	Pole
100	13.12	7.62	2
100	20.74	15.24	3
50	28.36	22.86	4
50	35.98	30.48	5
50	43.60	38.10	6
50	51.22	45.72	7
50	58.84	53.34	8
50	66.46	60.96	9
50	74.08	68.58	10
50	81.70	76.20	11
50	89.32	83.82	12

unmarked	marked	unmarked with screw flange	marked with screw flange
Part Number	Part Number	Part Number	Part Number
25.380.3253.0	25.380.0253.0	25.324.6253.0	25.324.4253.0
25.380.3353.0	25.380.0353.0	25.324.6353.0	25.324.4353.0
25.380.3453.0	25.380.0453.0	25.324.6453.0	25.324.4453.0
25.380.3553.0	25.380.0553.0	25.324.6553.0	25.324.4553.0
25.380.3653.0	25.380.0653.0	25.324.6653.0	25.324.4653.0
25.380.3753.0	25.380.0753.0	25.324.6753.0	25.324.4753.0
25.380.3853.0	25.380.0853.0	25.324.6853.0	25.324.4853.0
25.380.3953.0	25.380.0953.0	25.324.6953.0	25.324.4953.0
25.380.4053.0	25.380.1053.0	25.324.7053.0	25.324.5053.0
25.380.4153.0	25.380.1153.0	25.324.7153.0	25.324.5153.0
25.380.4253.0	25.380.1253.0	25.324.7253.0	25.324.5253.0







**System features**

- rising cage clamp
- detachable connection
- clear, straight forward interconnection
- PCB thickness: 1.4 mm up to 1.8 mm
- floating contact springs ensure a secure connection to the PCB

**Coding**


- coding does not effect the number of available poles
- PCB with coding slots for the location of the plug-in barriers in the contact part

**Marking**

- inkjet printed directly onto the connector
- clear pole marking which is easy to read
- special marking is possible on request

**Type range**

- 3.5 mm and 5 mm pitch
- 2 – 24 pole can be supplied
- connecting conductor sizes up to 1.5 mm<sup>2</sup>
- open side walls for expansion without effecting the pitch
- closed side walls to prevent miss connection
- with or without solder pin

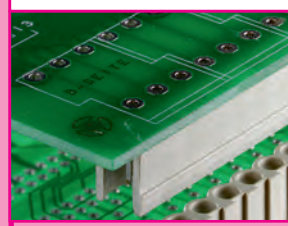
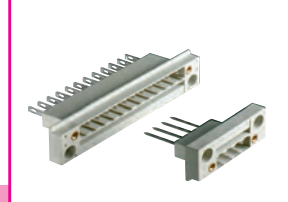
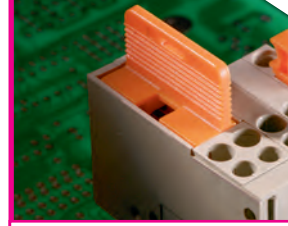
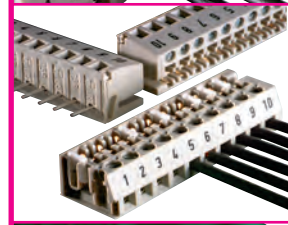
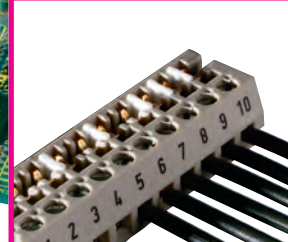
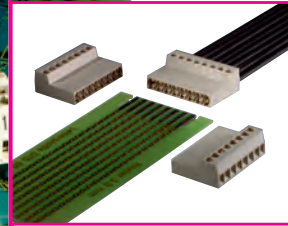
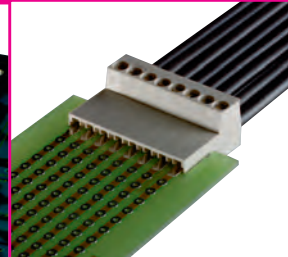
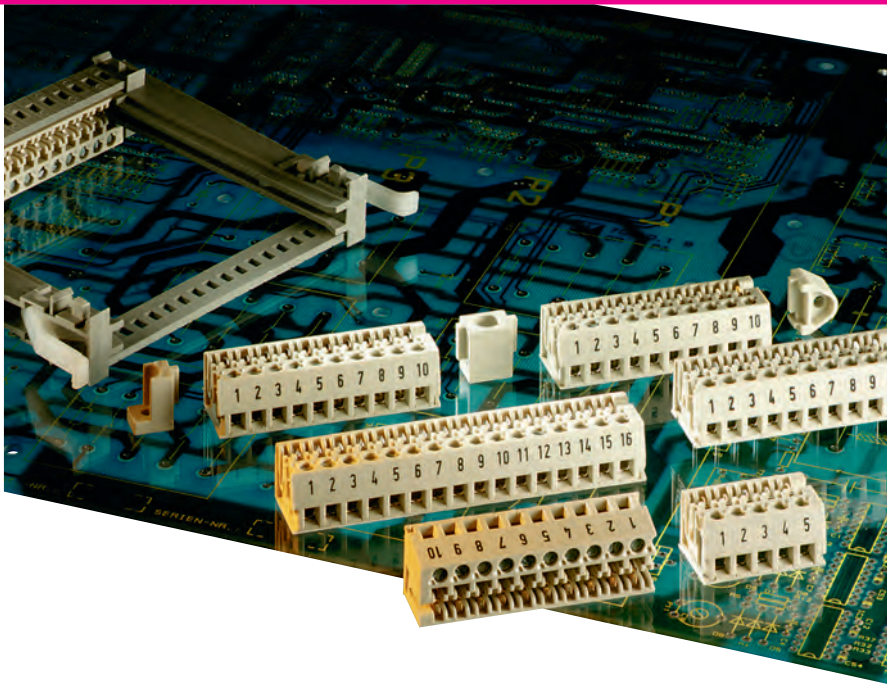
**Card holder**

- for secure connection to the PCB and plug in connector
- special card brackets act as a guide when using large PCB's. With side locating cams at the top and bottom for attaching a perforated guide frame





# Special Terminals



# PCB edge connector type DST 85 / DST LF 85

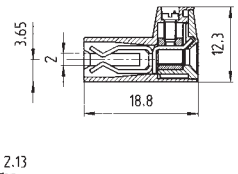
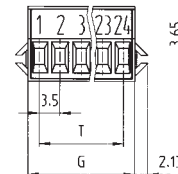
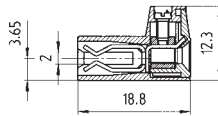
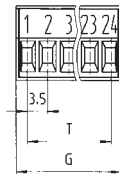
pitch 3.50 mm

IEC	125 V 2.5kV cat.3	6 A	0.14 - 1.5 mm <sup>2</sup> (Stranded)
	250 V 2.5kV cat.2		0.14 - 1.5 mm <sup>2</sup> (Solid)
	690 V 2.5kV cat.1		
UL	300 V	6 A	30 - 14 AWG
CSA	300 V	6 A	30 - 14 AWG

Wire Strip Length 6.0 mm  
Screw Size M2



See Technical Data section for screw material options



Approvals:



### series DST 85 / LF pitch 3.50 mm

Box Qty	G	T	Pole	unmarked		marked	
				Part Number	Part Number	Part Number	Part Number
100	7.1	3.4	2	25.003.0253.0	25.002.0253.0	25.005.0253.0	25.004.0253.0
100	10.5	6.8	3	25.003.0353.0	25.002.0353.0	25.005.0353.0	25.004.0353.0
50	14.0	10.3	4	25.003.0453.0	25.002.0453.0	25.005.0453.0	25.004.0453.0
50	17.5	13.8	5	25.003.0553.0	25.002.0553.0	25.005.0553.0	25.004.0553.0
50	21.0	17.3	6	25.003.0653.0	25.002.0653.0	25.005.0653.0	25.004.0653.0
50	24.5	20.8	7	25.003.0753.0	25.002.0753.0	25.005.0753.0	25.004.0753.0
50	28.0	24.3	8	25.003.0853.0	25.002.0853.0	25.005.0853.0	25.004.0853.0
50	31.5	27.8	9	25.003.0953.0	25.002.0953.0	25.005.0953.0	25.004.0953.0
50	35.0	31.3	10	25.003.1053.0	25.002.1053.0	25.005.1053.0	25.004.1053.0
50	38.5	34.8	11	25.003.1153.0	25.002.1153.0	25.005.1153.0	25.004.1153.0
50	42.0	38.3	12	25.003.1253.0	25.002.1253.0	25.005.1253.0	25.004.1253.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

Custom Marking Available  
More poles available on request

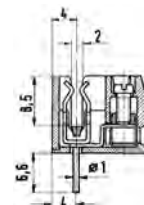
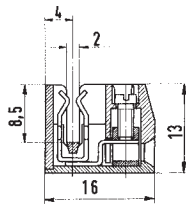
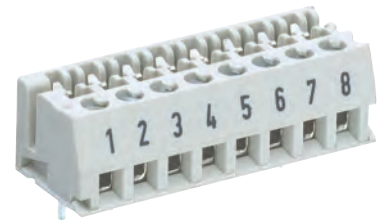
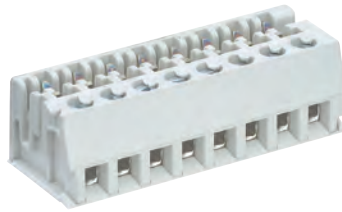
# PCB edge connector type LPST 1 / LPSTL 1

pitch 5.00 mm

IEC	250 V 4kV cat.3	5 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 4kV cat.1		
UL	300 V	5 A	22 - 14 AWG
CSA	300 V	5 A	22 - 14 AWG

Wire Strip Length	6.0 mm
Screw Size	M2.5

See Technical Data section for screw material options



Approvals:



### series LPST / L pitch 5.00 mm

Box Qty	G	T	Pole
100	14	5	2
100	19	10	3
50	24	15	4
50	29	20	5
50	34	25	6
50	39	30	7
50	44	35	8
50	49	40	9
50	54	45	10
50	59	50	11
50	64	55	12
50	69	60	13
50	74	65	14
50	79	70	15
50	84	75	16

unmarked without solder connection		marked without solder connection		marked with solder connection	
Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
25.010.0256.0	25.000.0256.0			25.001.0256.0	
25.010.0356.0	25.000.0356.0			25.001.0356.0	
25.010.0456.0	25.000.0456.0			25.001.0456.0	
25.010.0556.0	25.000.0556.0			25.001.0556.0	
25.010.0656.0	25.000.0656.0			25.001.0656.0	
25.010.0756.0	25.000.0756.0			25.001.0756.0	
25.010.0856.0	25.000.0856.0			25.001.0856.0	
25.010.0956.0	25.000.0956.0			25.001.0956.0	
25.010.1056.0	25.000.1056.0			25.001.1056.0	
25.010.1156.0	25.000.1156.0			25.001.1156.0	
25.010.1256.0	25.000.1256.0			25.001.1256.0	
25.010.1356.0	25.000.1356.0			25.001.1356.0	
25.010.1456.0	25.000.1456.0			25.001.1456.0	
25.010.1556.0	25.000.1556.0			25.001.1556.0	
25.010.1656.0	25.000.1656.0			25.001.1656.0	

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

Custom Marking Available  
More poles available on request



# PCB terminal series 8276, rising cage clamp system

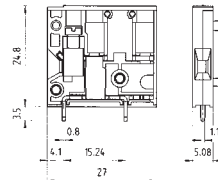
pitch 5.08 mm

IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	26 A	0.14 - 2.5 mm <sup>2</sup> (Stranded) 0.14 - 4.0 mm <sup>2</sup> (Solid)
UL	300 V	15 A (Field) 23 A (Factory)	30 - 14 AWG
CSA	300 V	20 A	30 - 14 AWG
Solder Pin	0.8 x 1.1 mm		
Drill Hole	1.4 mm		
Wire Strip Length	6.0 mm		
Screw Size	M4		



See Technical Data section for screw material options

Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

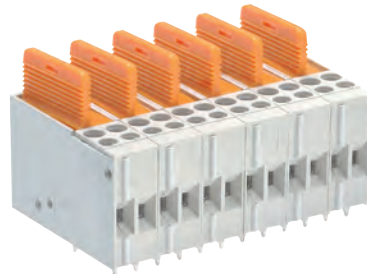
series 8276 pitch 5.08 mm				modular terminal			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			1	25.720.1353.0			



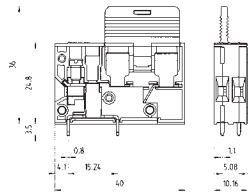
# PCB terminal series 8276, rising cage clamp system

pitch 5.08 mm

IEC	250 V 4kV cat.3	6.3 A	0.14 - 2.5 mm <sup>2</sup> (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm <sup>2</sup> (Solid)
	1000 V 4kV cat.1		
UL	300 V	6.3 A	30 - 14 AWG
CSA	300 V	6.3 A	30 - 14 AWG
Solder Pin	0.8 x 1.1 mm		
Drill Hole	1.4 mm		
Wire Strip Length	6.0 mm		
Screw Size	M3		



See Technical Data section for screw material options



Approvals:



Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

series 8276 Si-D pitch 5.08 mm				fuse terminal (for Si 5 x 20)			
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			1	25.720.1653.0			



### Systems feature

- PCB terminals with rising cage clamp connection
- PCB terminal with spring loaded connection
- PCB terminal with top connection
- terminal can be soldered directly onto PCB
- low mechanical loading of the solder area
- straight forward interconnection
- conductors can be individually sized
- various numbers of pole combinations
- connection of single core and finely stranded conductors
- metric and imperial pitch sizes.
- conductor clamping by means of rising cage clamp



### Marking

- ink jet printing directly onto the terminal using indelible ink
- individual terminals can be marked using snap-on marking tags
- terminals with or without marking tag carrier are available
- special marking is possible on request



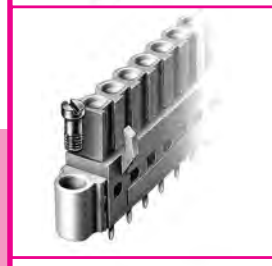
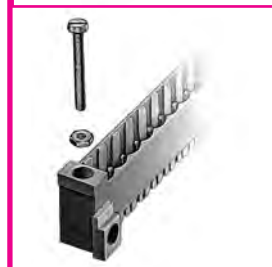
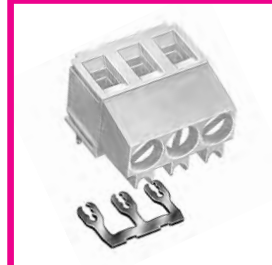
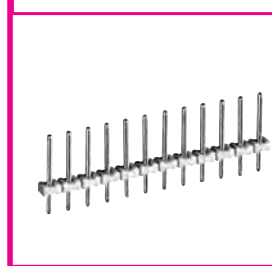
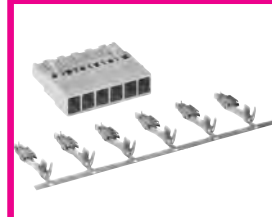
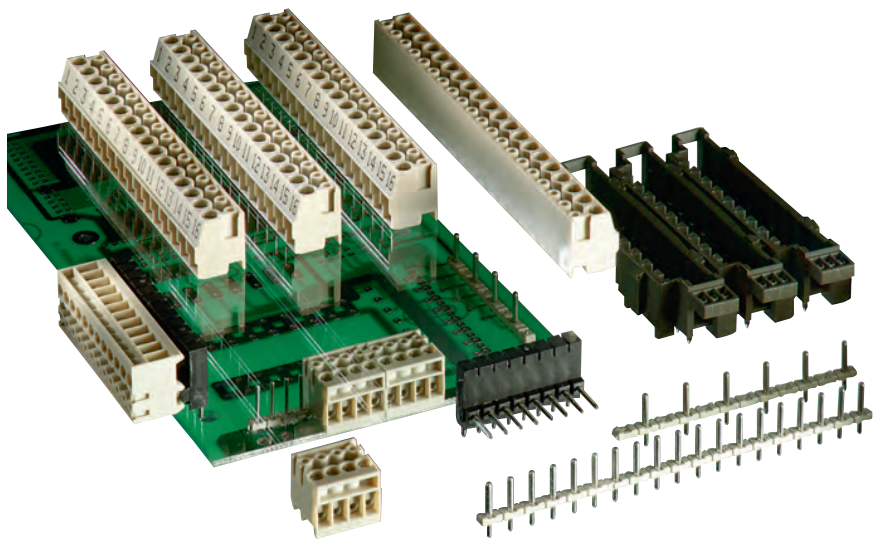
### Type range

- 2 – 24 poles
- connection of conductors horizontal and vertical in relation to the PCB
- conductors can be connected at a 45° or 35°
- metric: 3.5/5/7.5/10 mm
- imperial: 3.81/5.08/7.62/10.16/20.32 mm
- terminals snap together individually
- multipole blocks
- with or without insulating plate
- with or without testing plug connection
- with or without fixing cams
- secure connection
- the pitch can be expanded by means of an intermediate plate
- cover plate available
- double solder pins for stability





# Accessories



# Accessories PCB pin header

pitch 3.50 mm

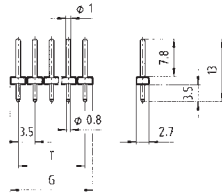
IEC	160 V 2.5kV cat.3	6 A
	250 V 2.5kV cat.2	
	690 V 2.5kV cat.1	
UL	300 V	10 A
CSA	300 V	10 A

Solder Pin 1.0 x 1.0 mm  
Drill Hole 1.3 mm



See Technical Data section for screw material options

Approvals:



## PCB pin header pitch 3.50 mm

Box Qty	G	T	Pole
100	7.0	3.5	2
100	10.5	7.0	3
50	14.0	10.5	4
50	17.5	14.0	5
50	21.0	17.5	6
50	24.5	21.0	7
50	28.0	24.5	8
50	31.5	28.0	9
50	35.0	31.5	10
50	38.5	35.0	11
50	42.0	38.5	12
50	45.5	42.0	13
50	49.0	45.5	14
50	52.5	49.0	15
50	56.0	52.5	16

Grey  
pin Ø 0.8 mm

Black  
pin Ø 1.0 mm

Part Number	Part Number	Part Number	Part Number
Z5.531.0225.0	Z5.531.3225.0		
Z5.531.0325.0	Z5.531.3325.0		
Z5.531.0425.0	Z5.531.3425.0		
Z5.531.0525.0	Z5.531.3525.0		
Z5.531.0625.0	Z5.531.3625.0		
Z5.531.0725.0	Z5.531.3725.0		
Z5.531.0825.0	Z5.531.3825.0		
Z5.531.0925.0	Z5.531.3925.0		
Z5.531.1025.0	Z5.531.4025.0		
Z5.531.1125.0	Z5.531.4125.0		
Z5.531.1225.0	Z5.531.4225.0		
Z5.531.1325.0	Z5.531.4325.0		
Z5.531.1425.0	Z5.531.4425.0		
Z5.531.1525.0	Z5.531.4525.0		
Z5.531.1625.0	Z5.531.4625.0		

Box Qty	G	T	Pole

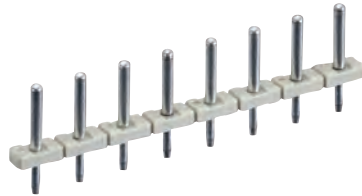
Part Number	Part Number	Part Number	Part Number

Custom Marking Available  
More poles available on request

# Accessories PCB pin header

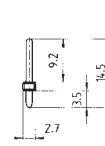
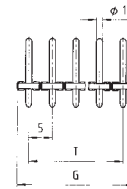
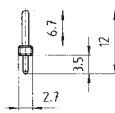
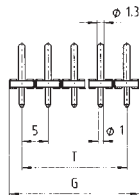
pitch 5.00 mm

IEC	200 V 4kV cat.3	8 A
	250 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A



See Technical Data section for screw material options

Approvals:



## PCB pin header pitch 5.00 mm

Box Qty	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4
50	25	20	5
50	30	25	6
50	35	30	7
50	40	35	8
50	45	40	9
50	50	45	10
50	55	50	11
50	60	55	12
50	65	60	13
50	70	65	14
50	75	70	15
50	80	75	16

Grey pin Ø 1.0 mm drill Ø 1.3mm	Black pin Ø 1.3 mm drill Ø 1.6mm	Black pin Ø 1.0 mm drill Ø 1.3mm	Black pin Ø 1.3 mm drill Ø 1.6mm
Part Number	Part Number	Part Number	Part Number
Z5.530.0225.0	Z5.530.3225.0	Z5.540.0225.0	Z5.540.3225.0
Z5.530.0325.0	Z5.530.3325.0	Z5.540.0325.0	Z5.540.3325.0
Z5.530.0425.0	Z5.530.3425.0	Z5.540.0425.0	Z5.540.3425.0
Z5.530.0525.0	Z5.530.3525.0	Z5.540.0525.0	Z5.540.3525.0
Z5.530.0625.0	Z5.530.3625.0	Z5.540.0625.0	Z5.540.3625.0
Z5.530.0725.0	Z5.530.3725.0	Z5.540.0725.0	Z5.540.3725.0
Z5.530.0825.0	Z5.530.3825.0	Z5.540.0825.0	Z5.540.3825.0
Z5.530.0925.0	Z5.530.3925.0	Z5.540.0925.0	Z5.540.3925.0
Z5.530.1025.0	Z5.530.4025.0	Z5.540.1025.0	Z5.540.4025.0
Z5.530.1125.0	Z5.530.4125.0	Z5.540.1125.0	Z5.540.4125.0
Z5.530.1225.0	Z5.530.4225.0	Z5.540.1225.0	Z5.540.4225.0
Z5.530.1325.0	Z5.530.4325.0	Z5.540.1325.0	Z5.540.4325.0
Z5.530.1425.0	Z5.530.4425.0	Z5.540.1425.0	Z5.540.4425.0
Z5.530.1525.0	Z5.530.4525.0	Z5.540.1525.0	Z5.540.4525.0
Z5.530.1625.0	Z5.530.4625.0	Z5.540.1625.0	Z5.540.4625.0

Box Qty	G	T	Pole

Part Number	Part Number	Part Number	Part Number

# Accessories PCB pin header

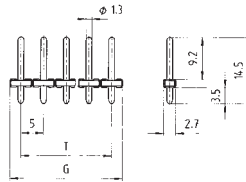
pitch 5.00 mm

IEC	250 V 2.5kV cat.3	8 A
UL	300 V	10 A
CSA	300 V	10 A
Solder Pin	1.0 x 1.0 mm	
Drill Hole	1.3 mm	



See Technical Data section for screw material options

Approvals:



PCB pin header pitch 5.00 mm				THR box	THR tape on reel	Part Number	Part Number
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100	10	5	2	Z5.530.0204.0	Z5.530.0214.0		
100	15	10	3	Z5.530.0304.0	Z5.530.0314.0		
50	20	15	4	Z5.530.0404.0	Z5.530.0414.0		
50	25	20	5	Z5.530.0504.0	Z5.530.0514.0		
50	30	25	6	Z5.530.0604.0	Z5.530.0614.0		
50	35	30	7	Z5.530.0704.0	Z5.530.0714.0		
50	40	35	8	Z5.530.0804.0	Z5.530.0814.0		
50	45	40	9	Z5.530.0904.0	Z5.530.0914.0		
50	50	45	10	Z5.530.1004.0	Z5.530.1014.0		
50	55	50	11	Z5.530.1104.0	Z5.530.1114.0		
50	60	55	12	Z5.530.1204.0	Z5.530.1214.0		

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

Custom Marking Available  
More poles available on request

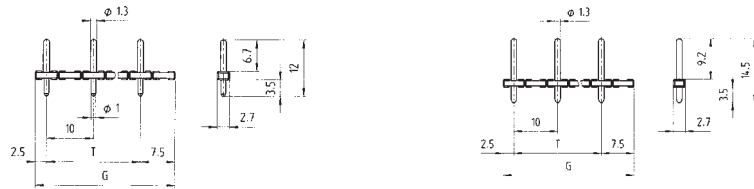
# Accessories PCB pin header

pitch 10.00 mm

IEC	500 V <small>8kV cat.3</small>	8 A
	800 V <small>8kV cat.2</small>	
	1000 V <small>8kV cat.1</small>	
UL	300 V	15 A
CSA	300 V	15 A



See Technical Data section for screw material options



Approvals:



PCB pin header pitch 10.00 mm				Grey pin Ø 1.0 mm drill Ø 1.3mm	Black pin Ø 1.3 mm drill Ø 1.6mm	Black pin Ø 1.0 mm drill Ø 1.3mm	Black pin Ø 1.3 mm drill Ø 1.6mm
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
50	20	10	2	Z5.530.6225.0	Z5.530.8225.0	Z5.540.6225.0	Z5.540.8225.0
50	30	20	3	Z5.530.6325.0	Z5.530.8325.0	Z5.540.6325.0	Z5.540.8325.0
50	40	30	4	Z5.530.6425.0	Z5.530.8425.0	Z5.540.6425.0	Z5.540.8425.0
50	50	40	5	Z5.530.6525.0	Z5.530.8525.0	Z5.540.6525.0	Z5.540.8525.0
50	60	50	6	Z5.530.6625.0	Z5.530.8625.0	Z5.540.6625.0	Z5.540.8625.0
50	70	60	7	Z5.530.6725.0	Z5.530.8725.0	Z5.540.6725.0	Z5.540.8725.0
50	80	70	8	Z5.530.6825.0	Z5.530.8825.0	Z5.540.6825.0	Z5.540.8825.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

# Accessories mounting bracket

pitch 5.00/5.08 mm

Screw Size		M3



See Technical Data section for screw material options

Approvals:

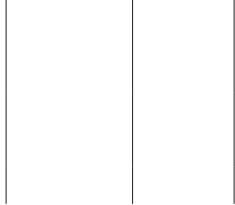


mounting bracket		vertical mounting	horizontal mounting	vertical mounting	horizontal mounting
		Part Number	Part Number	Part Number	Part Number
Box Qty					
100	Mounting Bracket	Z5.523.2453.0	Z5.523.2453.0	Z5.523.7853.0	Z5.523.7753.0
50	End plate for two tier header	07.310.9853.0	07.310.9853.0		
100	Coding branch for header	05.561.0053.0	05.561.0053.0		
100	Socket connector	05.561.9153.0	05.561.9153.0		

mounting bracket				Part Number	Part Number	Part Number	Part Number
Box Qty	G	T	Pole				

# Accessories mounting bracket

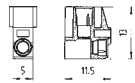
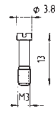
pitch 5.00/5.08 mm



Screw Size

M3

See Technical Data section for screw material options



Approvals:



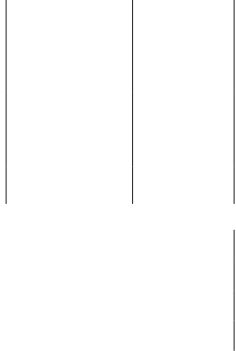
mounting bracket		vertical mounting		horizontal mounting	
Box Qty		Part Number	Part Number	Part Number	Part Number
100	Mounting Bracket	Z5.523.7653.0		Z5.523.7653.0	
25	Coding branch white	05.561.9453.0		05.561.9453.0	
25	Coding branch orange	05.561.9453.5		05.561.9453.5	

mounting bracket							
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

Custom Marking Available  
More poles available on request

# Accessories jumper comb

pitch 5.00/5.08 mm



See Technical Data section for screw material options

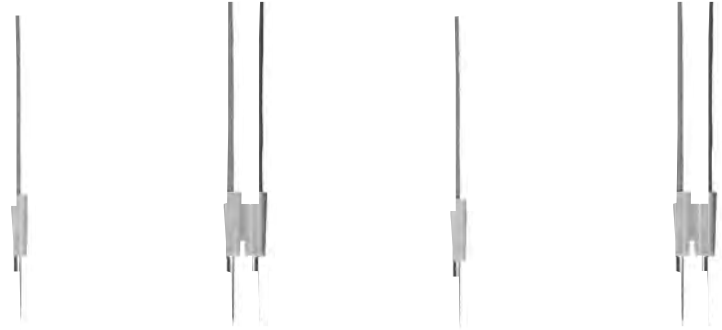
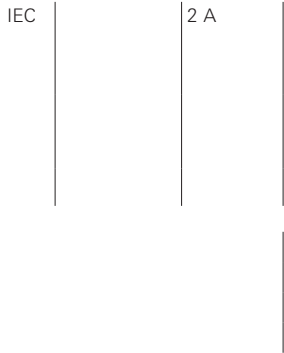
Approvals:

<b>jumper comb pitch 5.00 mm</b>				connecting comb		unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2 - 24	available on request			

<b>jumper comb pitch 5.08 mm</b>				connecting comb		unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number
100			2-24	available on request			



# Accessories test plug



See Technical Data section for screw material options

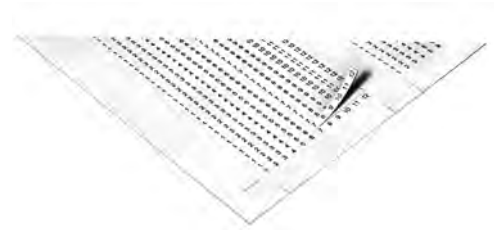
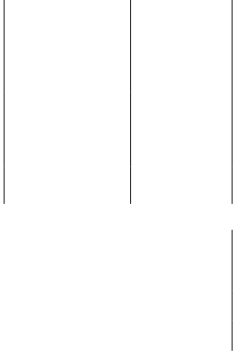
Approvals:

<b>test plug</b>		test plug 1 pole for 8391/8491	test plug 2 pole for 8391/8491	test plug 1 pole for 8135 / 8235 / 8191 ZW / 8291 ZW / 8192	test plug 2 pole for 8135 / 8235 / 8191 ZW / 8291 ZW / 8192
Box Qty	Pole	Part Number	Part Number	Part Number	Part Number
100	1	Z5.533.7121.0		Z5.533.7121.0	
50	2		Z5.533.8221.0		Z5.533.7221.0

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

# Accessories marker tag

pitch 5.00 mm



See Technical Data section for screw material options

Approvals:

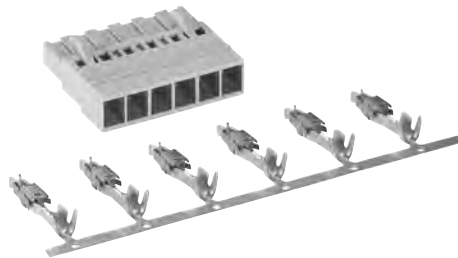
marker tag pitch 5.00 mm			marker tag carrier	Marker tag, unmarked	Adhesive marking strips (1 sheet = 100 strips)	
Box Qty	Pole		Part Number	Part Number	Part Number	Part Number
50	12		04.242.4653.0			
100	1	Single tag		04.242.5053.0		
50	10	Marker strip		04.242.0850.0		
1		marked 1–12			04.007.4089.0	
1		marked 13–24			04.007.4189.0	
1		marked 25–36			04.007.4289.0	
1		marked 37–48			04.007.4389.0	
1		marked 49–60			04.007.4489.0	
1		marked 61–72			04.007.4589.0	
1		marked 73–84			04.007.4689.0	
1		marked 85–96			04.007.4789.0	
1		marked 97–108			04.007.4889.0	

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

# Accessories crimp contacts

pitch 5.00 mm

IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	10 A 12 A	0.5 - 1.0 mm <sup>2</sup> (Stranded) 1.5 - 2.5 mm <sup>2</sup> (Stranded)
UL			
CSA			



Wire Strip Length	4.0 mm
Screw Size	M3

See Technical Data section for screw material options

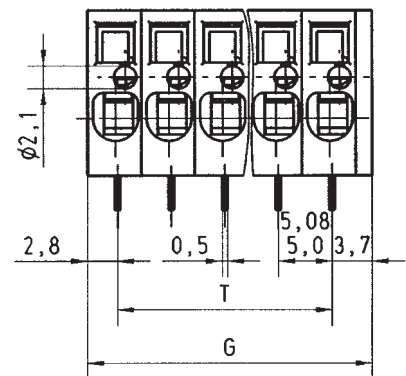
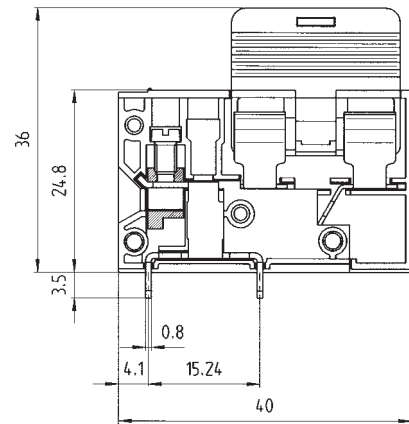
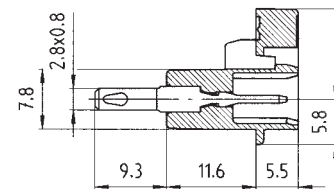
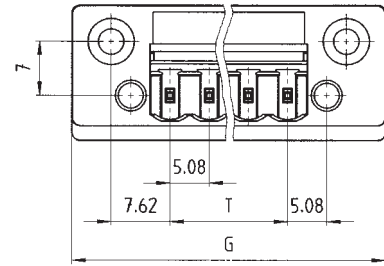
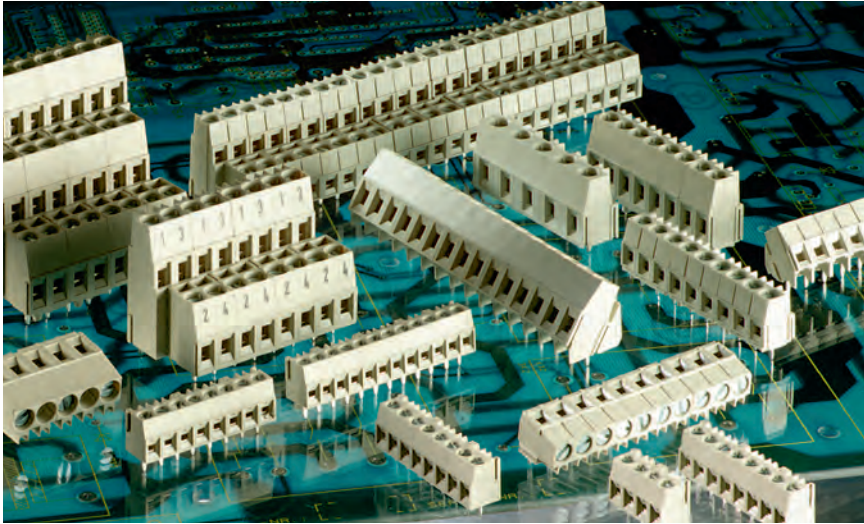
Approvals:

<b>series 8113 BK pitch 5.00 mm</b>				crimp contacts 0.5 - 1.0 mm <sup>2</sup>	crimp contacts 1.5 - 2.5 mm <sup>2</sup>		
Box Qty	Pole			Part Number	Part Number	Part Number	Part Number
500	500	Single contacts		02.125.1629.0	02.125.1729.0		
3500	3500	Strip		02.125.1600.0	02.125.1700.0		
1		Crimp tool		95.101.0800.0	95.101.0800.0		
1		Crimp die		05.502.2500.0	05.502.2500.0		

Box Qty	G	T	Pole	Part Number	Part Number	Part Number	Part Number

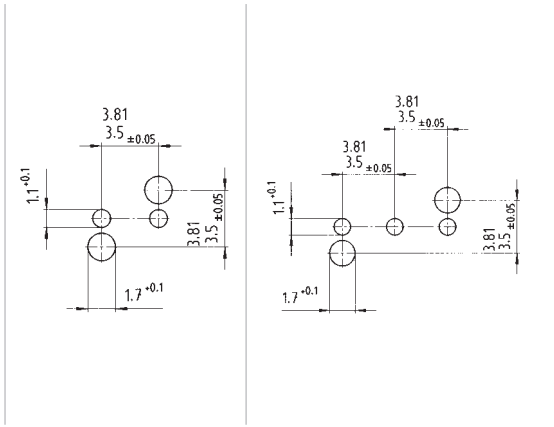


# Technical Data

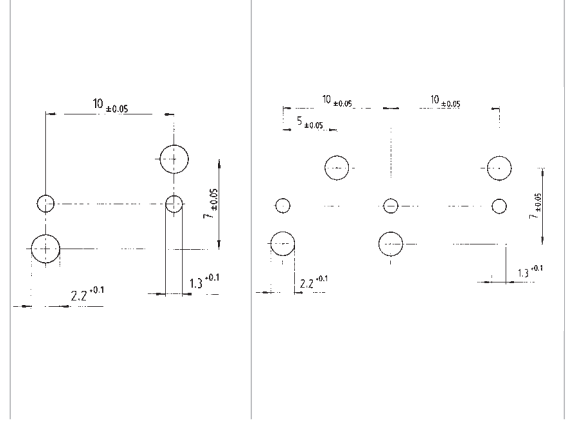


# Technical Data PCB Drill Holes

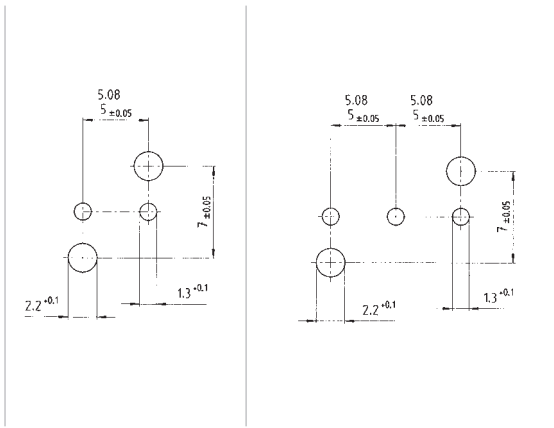
**pitch 3.50 / 3.81 mm drilling plan**  
drawing includes optional locating cams



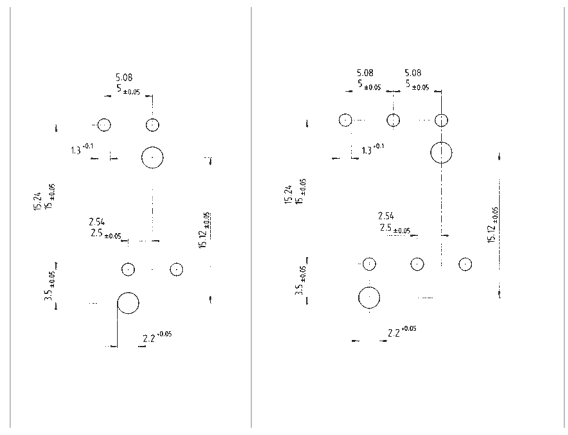
**pitch 10.00 mm drilling plan**  
drawing includes optional locating cams



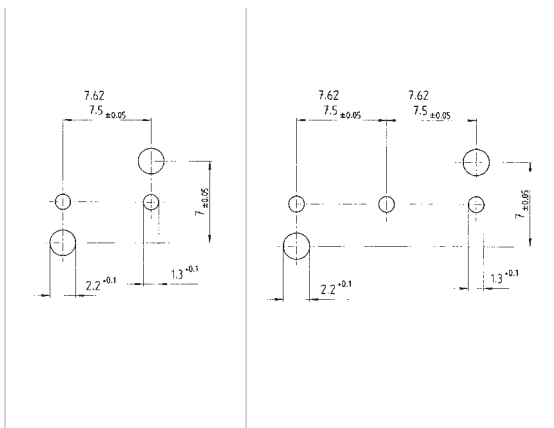
**pitch 5.00 / 5.08 mm drilling plan**  
drawing includes optional locating cams



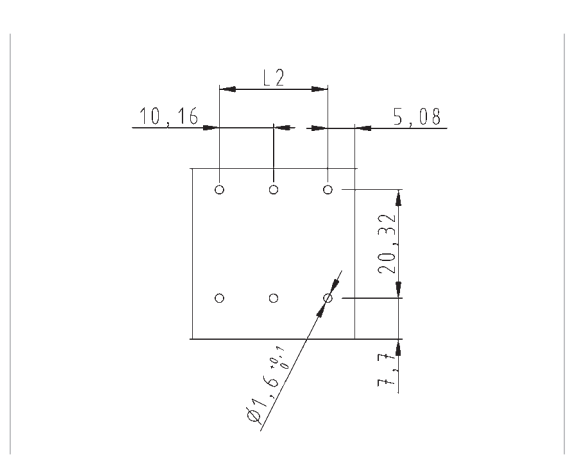
**8291E drilling plan**  
drawing includes optional locating cams



**pitch 7.50 / 7.62 mm drilling plan**  
drawing includes optional locating cams

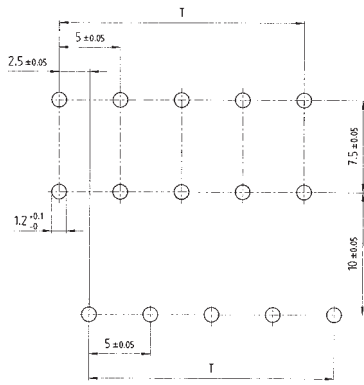


**7573 L2 drilling plan**



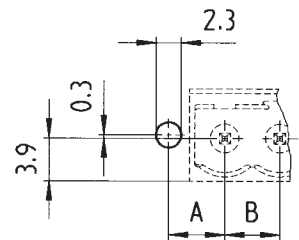
# Technical Data PCB Drill Holes

8195 D / V drilling plan

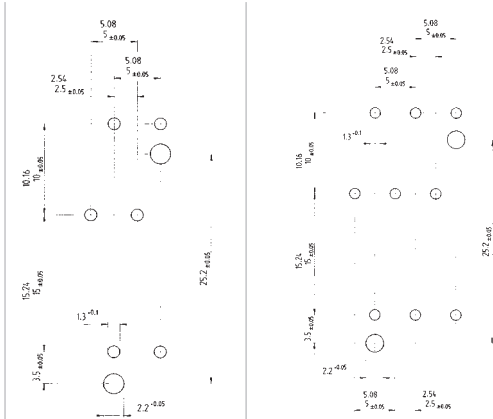


mounting bracket drilling plan

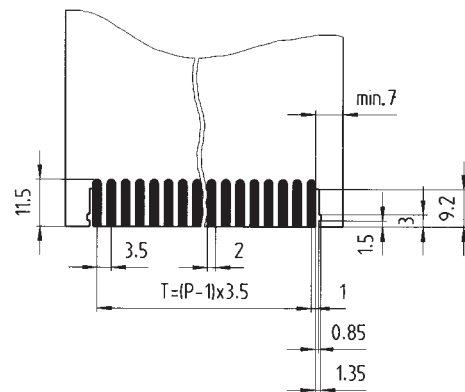
	A	B
8113	5.1	5.00
8213	5.2	5.08
8313	5.4	7.50
8413	5.4	7.62



8291D / 9191D drilling plan  
drawing includes optional locating cams

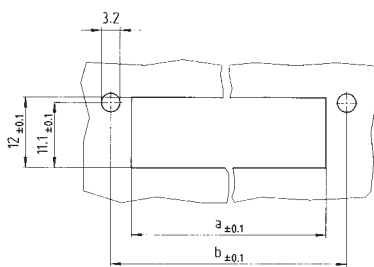


DST 85 PCB trace plan

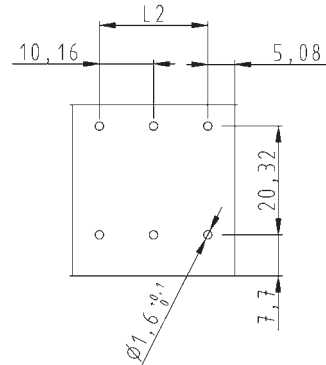


8213 S DFLS / DFWW drilling plan

a	b
13.18	20.32
18.26	25.40
23.34	30.48
28.42	35.56
33.50	40.64
38.58	45.72
43.66	50.80
48.74	55.88
53.82	60.96
58.90	66.04
68.98	71.12
69.06	76.20
74.14	81.28
79.22	86.36
84.30	91.44



7573 L2 drilling plan



## Technical Data

### Metal components

clamping part	nickel plated brass
clamping screw	nickel plated brass
clamping screw (optional)	galvanised and chromated steel
top version clamping screw	galvanised and chromated steel
socket contact	tinned bronze
header and solder pins	copper alloy
header contact for type 8142	tinned bronze
header contact for type 8543	tinned brass
wire protection	tinned bronze
Pin headers contact pin	M.S. tinned

### Insulating housing

Polyamide 66/6, glass filled  
 (no glass fill reinforcement in tier- type header or solderable parts)  
 material in accordance with UL 94 V-0  
 colour grey, similar to RAL 7032  
 Pin headers: Polyamide 66/6, glass filled

**Abbreviations for plastic material markings:**

- PA 66/6 = Polyamide 66/6
- PC = Polycarbonate
- PBT = Polybutylenterephthalate

### Clamping Screw

There are optional materials available for the clamping screw of the PCB connectors and terminals. To order a steel screw in place of a standard brass screw change the 8th digit of the part number from a 5 to a 0.

25.163.0253.0

- 5 = nickel plated brass screw
- 0 = galvanised and chromated steel screw



## Technical Data

### Torque of screw connection

Excerpt from EN 60 947-1

Column I: Applies to headless screws, that do not protrude from the threaded hole

Column II: Applies to nuts and screws that are tightened with a screwdriver

Column III: Applies to nuts and screws that can be tightened with tools other than a screwdriver

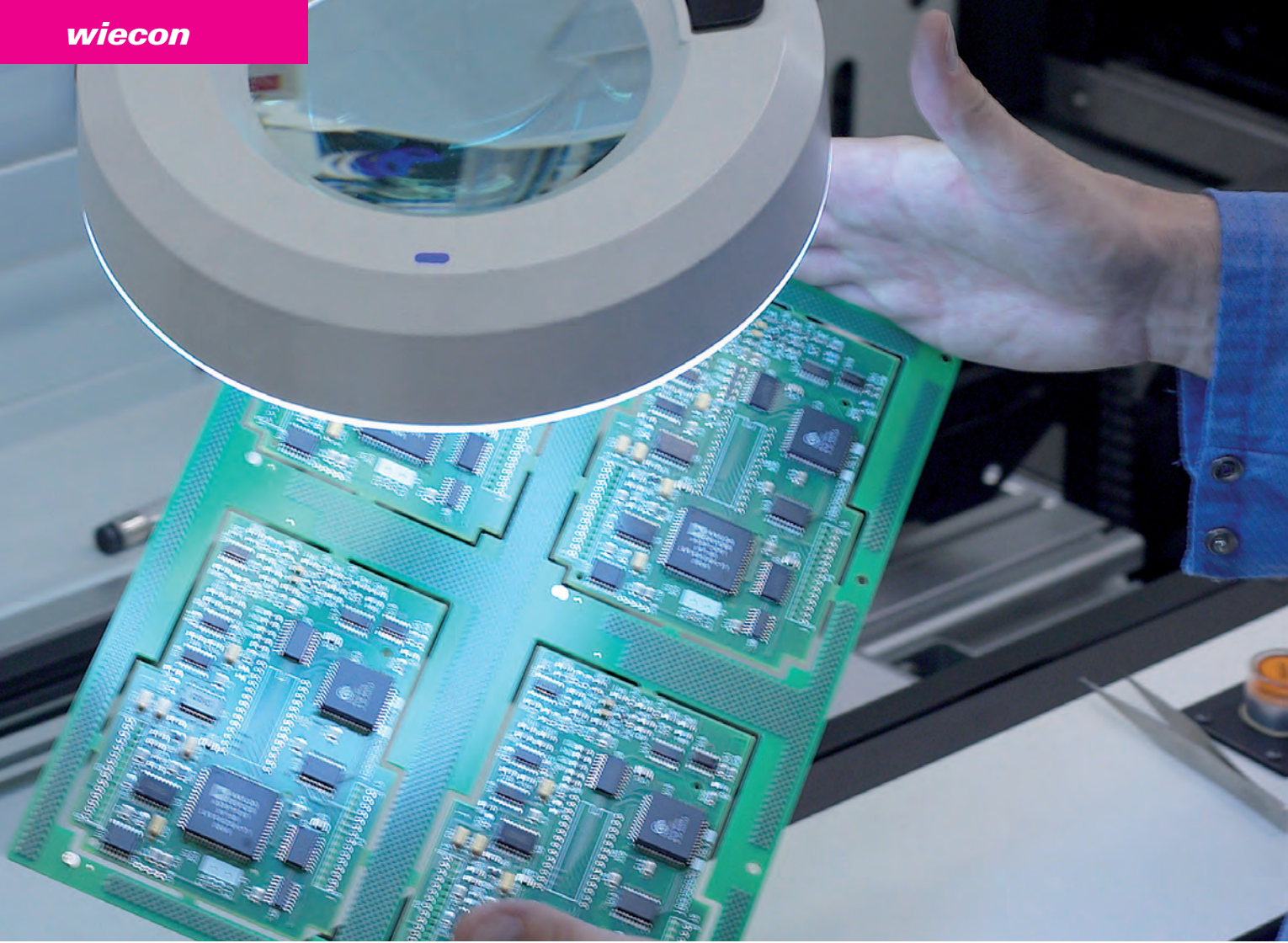
Thread diameter (mm) Metric standard values	Tightening torque (Nm) Column I	Tightening torque (Nm) Column II	Tightening torque (Nm) Column III
1.6	0.05	0.1	0.1
2.0	0.1	0.2	0.2
2.5	0.2	0.4	0.4
3.0	0.25	0.5	0.5
3.2	0.3	0.6	0.6
3.5	0.4	0.8	0.8
4	0.7	1.2	1.2
4.5	0.8	1.8	1.8
5	0.8	2.0	2.0
6	1.2	2.5	3.0
8	2.5	3.5	6.0
10		4.0	10.0
12			14.0
14			19.0
16			25.0
20			36.0
24			50.0

### Electrical and thermal characteristics of plastic materials

Abbreviations for plastic material markings:

PA = Polyamide

			PA 6	PA 6 GF	PA 66	PA 66 GF	PA 66/6	PA 66/6 GF
Dielectric strength	VDE 0303-T21	IEC 243/1	100 / 60 kV	40 / 31 kV	120 / 80 kV	80 / 65 kV	55 / 45 kV	26 / 23 kV
Dielectric loss @ 1 MHz	VDE 0303-T4	IEC 250	0.03 / 0.3	0.015 / -	0.025 / 0.2	0.02 / 0.1	0.02 / 0.3	0.016 / -
Feed through resistance	VDE 0303-T30	IEC 93	10 <sup>12</sup> Ω	10 <sup>11</sup> Ω	10 <sup>12</sup> Ω	10 <sup>12</sup> Ω	10 <sup>12</sup> Ω	10 <sup>15</sup> Ω
Surface resistance	VDE 0303-T30	IEC 93	10 <sup>10</sup> Ω	10 <sup>10</sup> Ω	10 <sup>10</sup> Ω	10 <sup>10</sup> Ω	10 <sup>10</sup> Ω	10 <sup>14</sup> Ω
Creepage	VDE 0303-T1	IEC 112	600 CTI	550 CTI	600 CTI	550 CTI	600 CTI	325 CTI
Operating temperature	UL 746 B		130 °C	140 °C	125 °C	115 °C	120 °C	140 °C
Temperature index	VDE 0304 T21	IEC 216-1	100 / 80 °C	185 / 160 °C	118 / 101 °C	157 / 139 °C	123 / 107 °C	
Static lower temperature			-40 °C	-40 °C	-40 °C	-40 °C	-40 °C	-40 °C
Flammability	UL 94		V2 @ 1.5mm	V2 @ 0.8mm	V2 @ 0.4mm	V0 @ 0.8mm	V0 @ 0.4mm	V0 @ 1.5mm

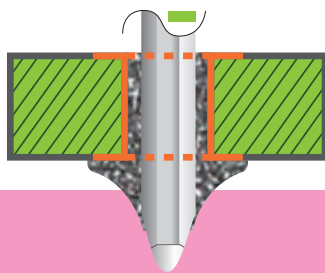


## Quality of the Soldering Point

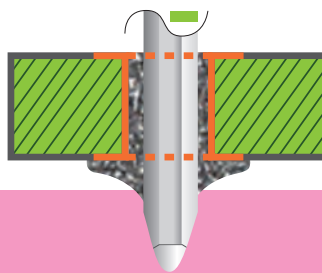
Soldering points made with the THR process differ from those made by other manufacturing processes due to the nature of the process involved. With longer pin lengths (2.6 mm), the soldering points can be viewed and evaluated in accordance with IPC-A-610C. Comparing soldering points from the wave soldering bath with those of THR, the THR connections appear somewhat thinner since the soldering meniscus is less developed. This property must

be evaluated from a quality assurance standpoint and defined accordingly.

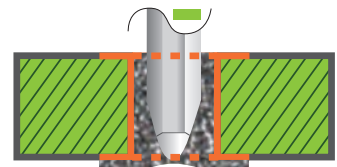
When it has been decided that an application needs a shorter pin length (1.5 mm), evaluation as per IPC-A-610C is not possible since there is no soldering meniscus left. A standard must then be defined together with quality assurance and production.



Wave soldering



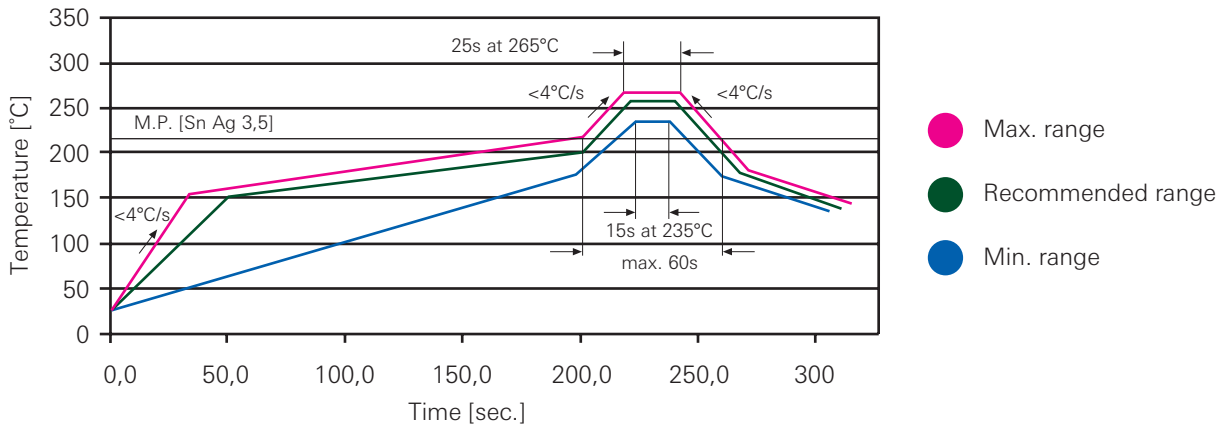
THR soldering



THR soldering with short pin

## Through Hole Reflow (THR)

### Temperature Requirements



THR differs from the wave soldering procedure in two ways, i.e. in the lower maximum temperature of the component during the reflow process and in the length of the process which at 300 s, takes almost three times as long as wave soldering.

Conventionally used plastics such as PA 66 which is used almost everywhere cannot withstand this range.

These plastics blister during the soldering process („popcorn effect“).

This makes it necessary to use another plastic which can withstand the special requirements of reflow soldering.

### THR Components

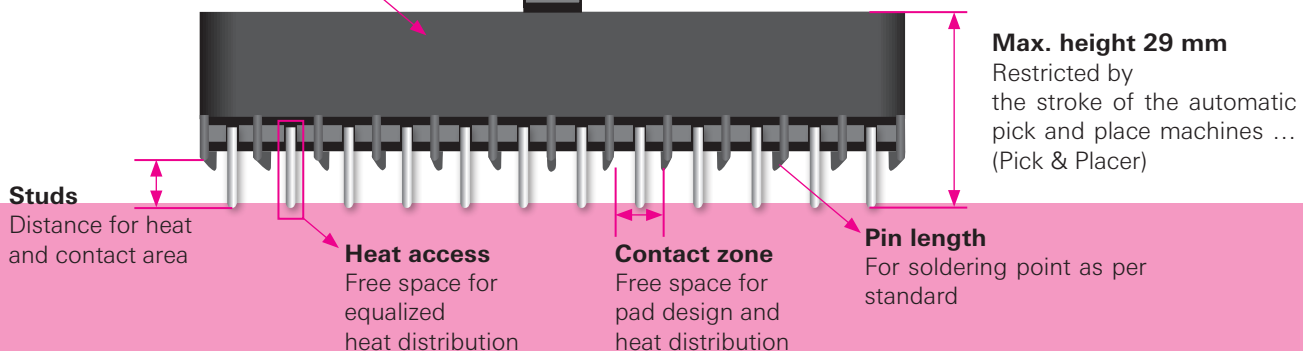
The primary demands on THR components are their ability to be automatically configured, the optimal heat distribution on the pin and the THR temperature profile.

#### Temperature resistant material

In accordance with THR requirement

#### Smooth surface or suction pad

for automatic configuration  
(dark for optical contrast)



## Technical Data THR Template Layout

The PC board layout must be adjusted to the reflow process in order to establish a high-quality soldering point. Two things must be observed in this connection regarding the PC board layout.

### Drilled Hole Diameter

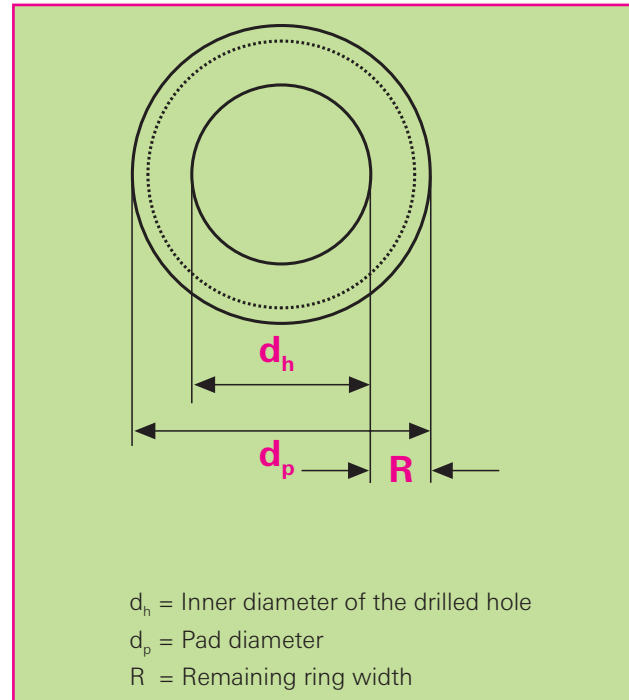
The drilled hole diameter must be selected to permit a good reflow of the solder from the pin back into the hole (i.e. by capillary action). It should also offer a size which can be automatically configured in accordance with the component tolerances.

Series	Spacing	Number of Poles	Pin Diagonals	$d_h$
8113 / 8213	5.0/ 5.08	$\leq 8$	1.2 mm	1.5 mm
8113 / 8213	5.0/ 5.08	$\geq 8$	1.2 mm	1.6 mm
8513 / 8813	3.5/ 3.81	$\leq 5$	1.0 mm	1.2 mm
8513 / 8813	3.5/ 3.81	$\geq 5$	1.0 mm	1.3 mm

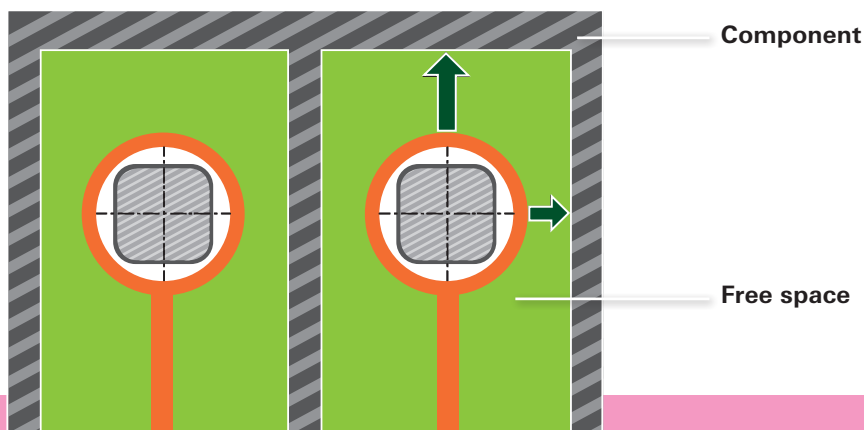
### Remaining Ring and Pad Geometry

The soldering meniscus forms on the remaining ring. Since these should be easy to judge, we recommend the following values.

Series	Spacing	R	$d_p$
8113 / 8213	5.0/ 5.08	0.5 mm	2.5 mm
8513 / 8813	3.5/ 3.81	0.35 – 0.4 mm	2.0 mm



Where the soldering pads are of smaller design due to seepage and air gap distances, an additional solder depot can be created below the component by specified excess pressure. The space held free by the structure in the contact zone prevents the contact between paste and component.



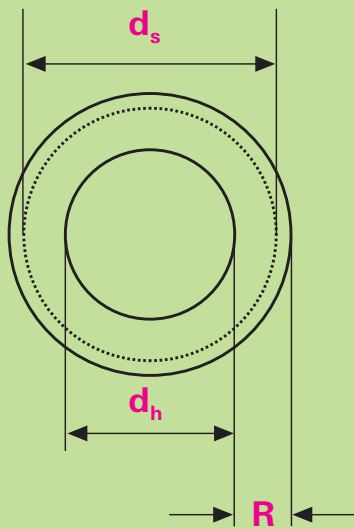
This is possible when increased demands on seepage and air gap distances place restrictions on the remaining ring widths. However, the parameters which can be executed must then be determined by trial and error. A remaining ring width of up to 0.2 mm is generally considered safe from a technical processing point of view.

If the application does not permit use of a continuous pin (1 = 2.6), short pins are also available (1 = 1.5). Double-sided configuration is possible with these pins.

## Technical Data

### THR Template Layout

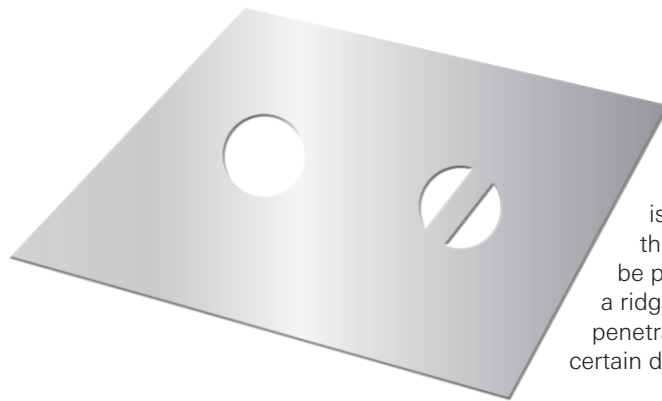
The template layout depends on the components used by the application. Depending on the application, simple templates as well as phase templates can be used. A template layout like the one shown below is always recommended.



$d_s$  = Template of the hole diameter  
 $d_h$  = Inner diameter of the drilled hole  
 $R$  = Remaining ring width

$$d_s = d_h + 2R - 0.1$$

In case there is not enough solder, the template hole can be enlarged to ensure a specified amount of excess pressure.



In case there is too much solder, the templates can be provided with a ridge. This prevents penetration to a certain degree.

## Application of the Soldering Paste

The challenge in achieving optimum soldering paste pressure lies in gauging the right amount of solder accurately. One standard value says that approx. 50% of the solder vaporizes during the soldering procedure (i.e., double the amount of solder must be used than is actually required). This can be influenced in different ways.

### Multiple Spreading

The soldering paste is spread with a blade on the PC board. In cases where the whole amount cannot be applied in one step, the paste can be applied a second time in the same way.

### Varying the Spreading Angle (a)

To achieve greater insertion pressure, a smaller spreading angle can be used.

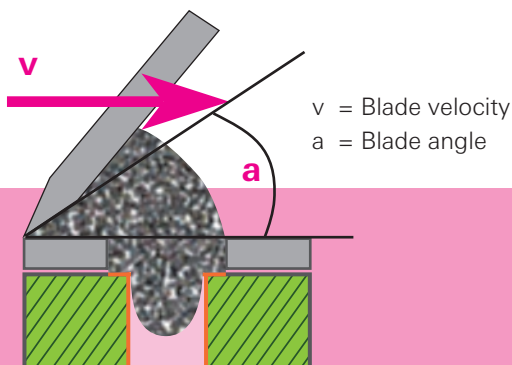
### Varying the Spreading Velocity (v)

Varying the spreading velocity changes the amount of time available to the soldering paste to flow into the hole. Reducing the spreading velocity allows more solder to flow into the hole while increasing the velocity allows less solder to flow into the hole.

### Varying the Dot Mask Thickness

A phase template can be used to increase the dot mask thickness at the necessary location. Due to the resulting increase in volume, more solder can be deposited.

These adjustment mechanisms usually produce the desired results and, in combination, permit an efficient application of pressure.



$v$  = Blade velocity  
 $a$  = Blade angle

















**Index**

27.602.3453.0	53	27.714.0453.0	31	Z5.530.0214.0	53	Z5.530.0925.0	51	Z5.530.4325.0	51	Z5.531.3825.0	49
27.602.3553.0	53	27.714.0553.0	31	Z5.530.0214.0	54	Z5.530.1004.0	116	Z5.530.4425.0	115	Z5.531.3925.0	114
27.602.3653.0	53	27.714.0653.0	31	Z5.530.0225.0	115	Z5.530.1004.0	52	Z5.530.4425.0	50	Z5.531.3925.0	49
27.602.3753.0	53	27.714.0753.0	31	Z5.530.0225.0	50	Z5.530.1004.0	53	Z5.530.4425.0	51	Z5.531.4025.0	114
27.602.3853.0	53	27.714.0853.0	31	Z5.530.0225.0	51	Z5.530.1004.0	54	Z5.530.4525.0	115	Z5.531.4025.0	49
27.602.3953.0	53	95.101.0800.0	123	Z5.530.0304.0	116	Z5.530.1014.0	116	Z5.530.4525.0	50	Z5.531.4125.0	114
27.602.4053.0	53	95.101.0800.0	123	Z5.530.0304.0	52	Z5.530.1014.0	52	Z5.530.4525.0	51	Z5.531.4125.0	49
27.602.4153.0	53	95.101.0800.0	93	Z5.530.0304.0	53	Z5.530.1014.0	53	Z5.530.4625.0	115	Z5.531.4225.0	114
27.602.4253.0	53	95.101.0800.0	93	Z5.530.0304.0	54	Z5.530.1014.0	54	Z5.530.4625.0	50	Z5.531.4225.0	49
27.602.4353.0	53	99.202.9996.0	66	Z5.530.0314.0	116	Z5.530.1025.0	115	Z5.530.4625.0	51	Z5.531.4325.0	114
27.602.4453.0	53	99.202.9996.2	67	Z5.530.0314.0	52	Z5.530.1025.0	50	Z5.530.6225.0	117	Z5.531.4325.0	49
27.602.4553.0	53	99.203.9996.0	66	Z5.530.0314.0	53	Z5.530.1025.0	51	Z5.530.6225.0	57	Z5.531.4425.0	114
27.602.4653.0	53	99.203.9996.2	67	Z5.530.0314.0	54	Z5.530.1104.0	116	Z5.530.6325.0	117	Z5.531.4425.0	49
27.602.6253.0	54	99.204.9996.0	66	Z5.530.0325.0	115	Z5.530.1104.0	52	Z5.530.6325.0	57	Z5.531.4525.0	114
27.602.6353.0	54	99.204.9996.2	67	Z5.530.0325.0	50	Z5.530.1104.0	53	Z5.530.6425.0	117	Z5.531.4525.0	49
27.602.6453.0	54	99.205.9996.0	66	Z5.530.0325.0	51	Z5.530.1104.0	54	Z5.530.6425.0	57	Z5.531.4625.0	114
27.602.6553.0	54	99.205.9996.2	67	Z5.530.0404.0	116	Z5.530.1114.0	116	Z5.530.6525.0	117	Z5.531.4625.0	49
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27.602.7353.0	54	99.209.9996.2	67	Z5.530.0425.0	115	Z5.530.1204.0	52	Z5.530.8225.0	117	Z5.540.0525.0	115
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27.630.3553.0	82	99.213.9996.0	66	Z5.530.0514.0	116	Z5.530.1225.0	115	Z5.530.8525.0	57	Z5.540.1225.0	115
27.630.3653.0	82	99.213.9996.2	67	Z5.530.0514.0	52	Z5.530.1225.0	50	Z5.530.8625.0	117	Z5.540.1325.0	115
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27.630.4653.0	82	99.235.9996.1	66	Z5.530.0614.0	116	Z5.530.1525.0	51	Z5.531.0425.0	114	Z5.540.3825.0	115
27.631.3253.0	83	99.236.9996.1	66	Z5.530.0614.0	52	Z5.530.1625.0	115	Z5.531.0425.0	49	Z5.540.3925.0	115
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27.631.3453.0	83	99.238.9996.1	66	Z5.530.0614.0	54	Z5.530.1625.0	51	Z5.531.0525.0	49	Z5.540.4125.0	115
27.631.3553.0	83	99.239.9996.1	66	Z5.530.0625.0	115	Z5.530.1625.0	115	Z5.531.0625.0	114	Z5.540.4225.0	115
27.631.3653.0	83	99.240.9996.1	66	Z5.530.0625.0	50	Z5.530.3225.0	50	Z5.531.0625.0	49	Z5.540.4325.0	115
27.631.3753.0	83	99.241.9996.1	66	Z5.530.0625.0	51	Z5.530.3225.0	51	Z5.531.0725.0	114	Z5.540.4425.0	115
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27.631.4653.0	83	99.265.9996.0	67	Z5.530.0725.0	115	Z5.530.3525.0	51	Z5.531.1125.0	49	Z5.540.6825.0	117
27.647.1253.1	63	99.266.9996.0	67	Z5.530.0725.0	50	Z5.530.3625.0	115	Z5.531.1225.0	114	Z5.540.8225.0	117
27.647.1353.1	63	99.267.9996.0	67	Z5.530.0725.0	51	Z5.530.3625.0	50	Z5.531.1225.0	49	Z5.540.8325.0	117
27.647.1453.1	63	99.268.9996.0	67	Z5.530.0804.0	116	Z5.530.3625.0	51	Z5.531.1325.0	114	Z5.540.8425.0	117
27.647.1553.1	63	99.269.9996.0	67	Z5.530.0804.0	52	Z5.530.3725.0	115	Z5.531.1325.0	49	Z5.540.8525.0	117
27.647.1653.1	63	99.270.9996.0	67	Z5.530.0804.0	53	Z5.530.3725.0	50	Z5.531.1425.0	114	Z5.540.8625.0	117
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27.647.1853.1	63	99.272.9996.0	67	Z5.530.0814.0	116	Z5.530.3825.0	115	Z5.531.1525.0	114	Z5.540.8825.0	117
27.647.1953.1	63	99.273.9996.0	67	Z5.530.0814.0	52	Z5.530.3825.0	50	Z5.531.1525.0	49		
27.647.2053.1	63	99.274.9996.0	67	Z5.530.0814.0	53	Z5.530.3825.0	51	Z5.531.1625.0	114		
27.647.2153.1	63	99.275.9996.0	67	Z5.530.0814.0	54	Z5.530.3925.0	115	Z5.531.1625.0	49		
27.647.2253.1	63	99.276.9996.0	67	Z5.530.0825.0	115	Z5.530.3925.0	50	Z5.531.3225.0	114		
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27.647.2453.1	63	Z5.523.2453.0	118	Z5.530.0825.0	51	Z5.530.4025.0	115	Z5.531.3325.0	114		
27.647.2553.1	63	Z5.523.7653.0	119	Z5.530.0904.0	116	Z5.530.4025.0	50	Z5.531.3325.0	49		
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27.703.0253.0	38	Z5.523.7753.0	118	Z5.530.0904.0	53	Z5.530.4125.0	115	Z5.531.3425.0	49		
27.703.0353.0	38	Z5.523.7853.0	118	Z5.530.0904.0	54	Z5.530.4125.0	50	Z5.531.3525.0	114		
27.703.0453.0	38	Z5.530.0204.0	116	Z5.530.0914.0	116	Z5.530.4125.0	51	Z5.531.3525.0	49		
27.713.0253.0	38	Z5.530.0204.0	52	Z5.530.0914.0	52	Z5.530.4225.0	115	Z5.531.3625.0	114		
27.713.0353.0	38	Z5.530.0204.0	53	Z5.530.0914.0	53	Z5.530.4225.0	50	Z5.531.3625.0	49		
27.713.0453.0	38	Z5.530.0204.0	54	Z5.530.0914.0	54	Z5.530.4225.0	51	Z5.531.3725.0	114		
27.714.0253.0	31	Z5.530.0214.0	116	Z5.530.0925.0	115	Z5.530.4325.0	115	Z5.531.3725.0	49		
27.714.0353.0	31	Z5.530.0214.0	52	Z5.530.0925.0	50	Z5.530.4325.0	50	Z5.531.3825.0	114		



#### Established in industries

Control cabinet engineering, industrial automation, building system technology – our large product portfolio provides solutions for all kinds of applications.

From innovative interface and network technology to terminal blocks to "safety first" – with modular system solutions and safety components. With Wieland products in your control cabinet, you are always on the safe side.

Energy bus systems for distributed automation or indoor and outdoor field

bus components – Wieland technology can be found everywhere, and in all kinds of applications.

In building system technology, Wieland Electric is the world market leader in pluggable electrical installation.

There are good reasons why our system solutions can be found in the most spectacular building projects worldwide. When it comes to electronic networking, Wieland leads the way to the "smart home".

#### Welcome Future

Wieland Electric is 100 years young, and full of innovative energy. And our commitment for the future is not only to find constantly new system solutions for our customers but also social responsibility.

Environmentally friendly high-tech products, manufactured to the latest production standards, an audited environmental management system and substantial investments in our locations are all part to this concept.

Global commitment and sustainable regional action – Wieland Electric is fit for the future: Contacts are green.



## Our subsidiaries

... and the addresses of our representations worldwide are available at:

[www.wieland-electric.com](http://www.wieland-electric.com)



**USA**  
**Wieland Electric Inc.**  
**North American Headquarters**  
 2889 Brighton Road  
 Oakville, Ontario L6H 6C9  
 Phone +1 905 8298414  
 Fax +1 905 8298413  
[www.wielandinc.com](http://www.wielandinc.com)



**CANADA**  
**Wieland Electric Inc.**  
**North American Headquarters**  
 2889 Brighton Road  
 Oakville, Ontario L6H 6C9  
 Phone +1 905 8298414  
 Fax +1 905 8298413  
[www.wieland-electric.ca](http://www.wieland-electric.ca)



**GREAT BRITAIN**  
**Wieland Electric Ltd.**  
 Riverside Business Centre,  
 Walnut Tree Close  
 GB-Guildford/Surrey GU1 4UG  
 Phone +44 1483 531213  
 Fax +44 1483 505029  
[sales.uk@wieland-electric.com](mailto:sales.uk@wieland-electric.com)



**FRANCE**  
**Wieland Electric SARL.**  
 Le Céramê Hall 6  
 47, avenue des Genottes  
 CS 48313  
 95803 Cergy-Pontoise Cedex  
 Phone +33 1 30320707  
 Fax +33 1 30320714  
[info.adv@wieland-electric.com](mailto:info.adv@wieland-electric.com)



**SPAIN**  
**Wieland Electric S.L.**  
 C/ Maria Auxiliadora 2 bajos  
 E-08017 Barcelona  
 Phone +34 93 2523820  
 Fax +34 93 2523825  
[ventas@wieland-electric.com](mailto:ventas@wieland-electric.com)



**ITALY**  
**Wieland Electric S.r.l.**  
 Via Edison, 209  
 I-20019 Settimo Milanese  
 Phone +39 02 48916357  
 Fax +39 02 48920685  
[info.italy@wieland-electric.com](mailto:info.italy@wieland-electric.com)



**POLAND**  
**Wieland Electric Sp. Zo.o.**  
 Św. Antoniego 8  
 62-080 Swadzim  
 Phone +48 61 2225400  
 Fax +48 61 8407166  
[office@wieland-electric.pl](mailto:office@wieland-electric.pl)



**CHINA**  
**Wieland Electric Trading**  
 Unit 2703  
 International Soho City  
 889 Renmin Rd.,  
 Huang Pu District  
 PRC- Shanghai 200010  
 Phone +86 21 63555833  
 Fax +86 21 63550090  
[info-shanghai@wieland-electric.com](mailto:info-shanghai@wieland-electric.com)



**DENMARK**  
**Wieland Electric A/S**  
 Vallørækken 26  
 DK-4600 Køge  
 Phone +45 70 266635  
 Fax +45 70 266637  
[sales.denmark@wieland-electric.com](mailto:sales.denmark@wieland-electric.com)



**BELGIUM**  
**ATEM – Wieland Electric NV**  
 Bedrijvenpark De Veert 4  
 B-2830 Willebroek  
 Phone +32 3 8661800  
 Fax +32 3 8661828  
[info.belgium@wieland-electric.com](mailto:info.belgium@wieland-electric.com)



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# wieland

Headquarters:  
Wieland Electric GmbH  
Brennerstraße 10 – 14  
96052 Bamberg, Germany

Sales Center:  
Wieland Electric GmbH  
Benzstraße 9  
96052 Bamberg, Germany

Phone +49 951 9324-0  
Fax +49 951 9324-198  
www.wieland-electric.com  
info@wieland-electric.com

## Industrial technology

### Solutions for the control cabinet

- DIN rail terminal blocks
  - Screw, tension spring or push-in connection technology
  - Wire cross sections up to 240 mm<sup>2</sup>
  - Numerous special functions
  - Software solutions interfacing to CAE systems
- Safety
  - Safe signal acquisition
  - Safety switching devices
  - Modular safety modules
  - Compact safety controllers
  - Application consulting and training
- Network engineering and fieldbus systems
  - Remote maintenance via VPN industrial router and VPN service portal
  - Industrial Ethernet switches
  - PLC and I/O systems, standard and increased environmental conditions
- Interface
  - Power supply units
  - Overvoltage protection
  - Coupling relays, semiconductor switches
  - Timer relays, measuring and monitoring relays
  - Analog coupling and converter modules
  - Passive interfaces

### Solutions for field applications

- Decentralized installation and automation technology
  - Electrical installation for wind tower
  - Fieldbus interfaces and motor starters
- Connectors for industrial applications
  - Rectangular and round connectors
  - Aluminum or plastic housings
  - Degree of protection up to IP68
  - Current-carrying capacity up to 100 A
  - Connectors for hazardous areas
  - Modular, application-specific technology

### PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5 mm to 10.16 mm
- Reflow or wave soldering process

## Building and installation technology

- Building installation systems
  - Main power supply connectors IP20/IP65...IP68
  - Bus connectors
  - Low-voltage connectors
  - Power distribution system with flat cables
  - Distribution systems
  - Bus systems in KNX, LON and wireless technology
  - DIN rail terminal blocks for electrical installations
  - Overvoltage protection

contacts  
are  
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