

wiecon®
PCB Terminals and Connectors





▲ Plant II, Rodezstraße
in Bamberg



▲ Company headquarters
in Bamberg



▲ STOCKO main plant
in Wuppertal

wieland group

AT HOME ALL OVER THE WORLD

Wieland Electric GmbH is a medium-sized family-run electrical and electronics company headquartered in Bamberg. Founded in 1910, Wieland is one of the pioneers of electrical connection technology.

This family business with its international outlook is a market leader in pluggable installation technology for functional buildings, with subsidiaries worldwide and production lines not only in Bamberg but also in the Czech Republic and China.

The Wieland Group, which has included STOCKO Contact GmbH & Co. KG since 1998, is therefore represented in over 70 countries and employs some 2,200 people.



Solutions for

Building technology

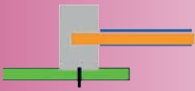
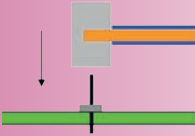


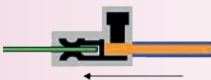

Wind power

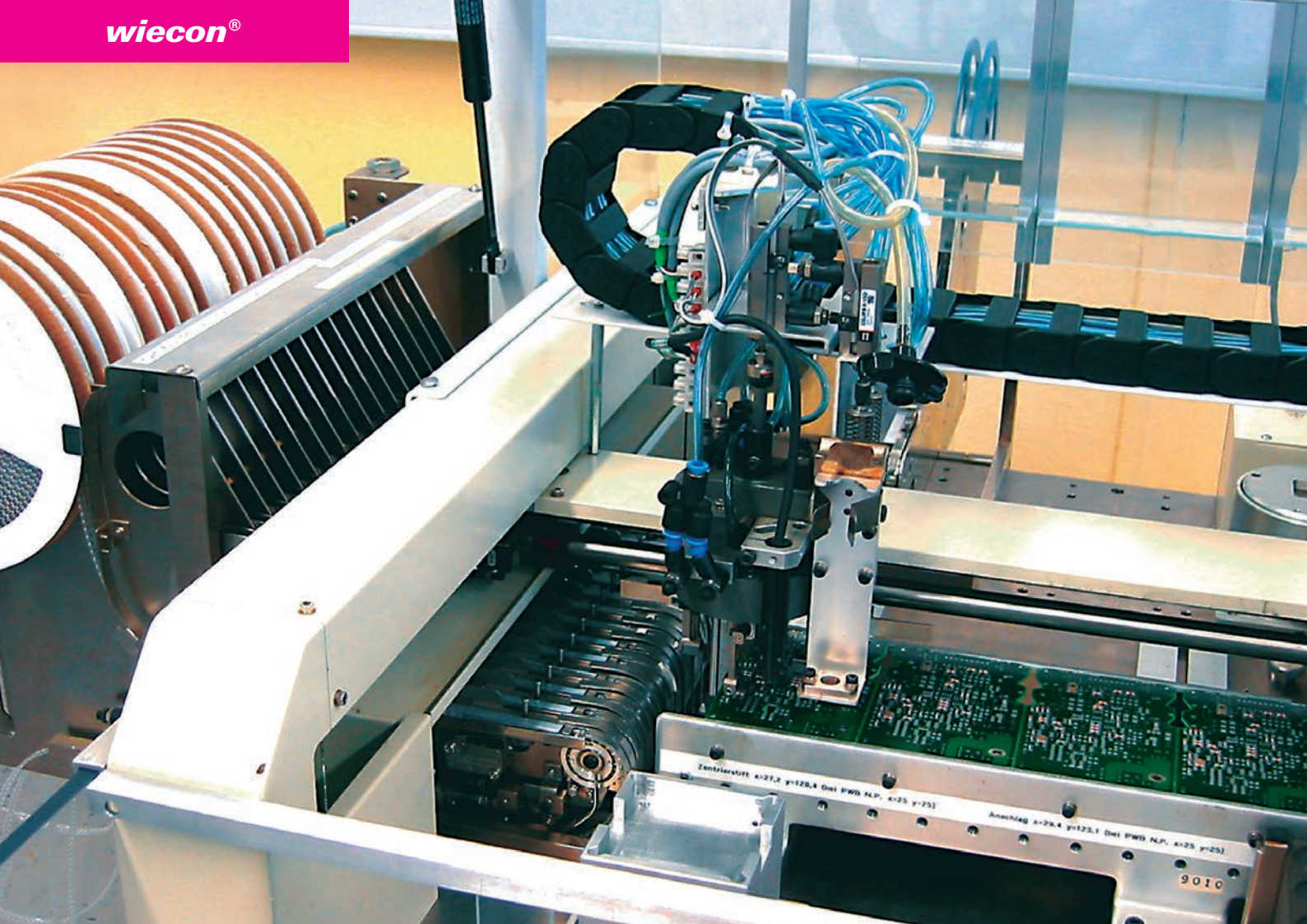
Machine building

*Lighting
technology*

*Heating, ventilation,
air conditioning*

Table of Contents

		Page
	PCB Terminals	
	pitch 2.50 / 2.50 / 3.81 mm	8
	pitch 5.00 / 5.08 mm	13
	pitch 6.35 mm	31
	pitch 7.50 / 7.62 mm	32
	pitch 10.00 / 10.16 mm	41
	pitch 20.32 mm	43
	Pluggable PCB Terminals	
	pitch 3.50 mm	47
	pitch 5.00 mm	48
	pitch 10.00 mm	53
	PCB Connector	
	Pin header	
	pitch 3.50 / 3.81 mm	56
	pitch 5.00 / 5.08 mm	62
	pitch 7.50 / 7.62 mm	72
	Plug connector	
pitch 3.0 / 3.81 mm	76	
pitch 5.0 / 5.08 mm	85	
pitch 7.50 / 7.62 mm	96	
	PCB Connectors RAST 5	
	Connector with Socket Contact	101
	Connector with Tab Contact	104
	Connector with Tab Contact and dual connection	106
	Tab Contacts	109
	Special Terminals	110
	PCB Direct Connectors	112
	PCB Feed-through Pin Header	114
	PCB Disconnect Terminal	115
	PCB Fuse Terminal	116
	Panel header	117
	Accessories	119
	Technical Data	131
	Index	136
	Hotline	146
	Addresses	147



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.

50 years experience
with PCB connectors,
see **wiecon®** Overview,
Order-Nr. 0580.1

wieland
50 YEARS
PCB CONNECTORS



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 therefore available in a variety 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)



Printed circuit board terminals.

Universal connection technology for the highest current and voltage requirements in all applications.

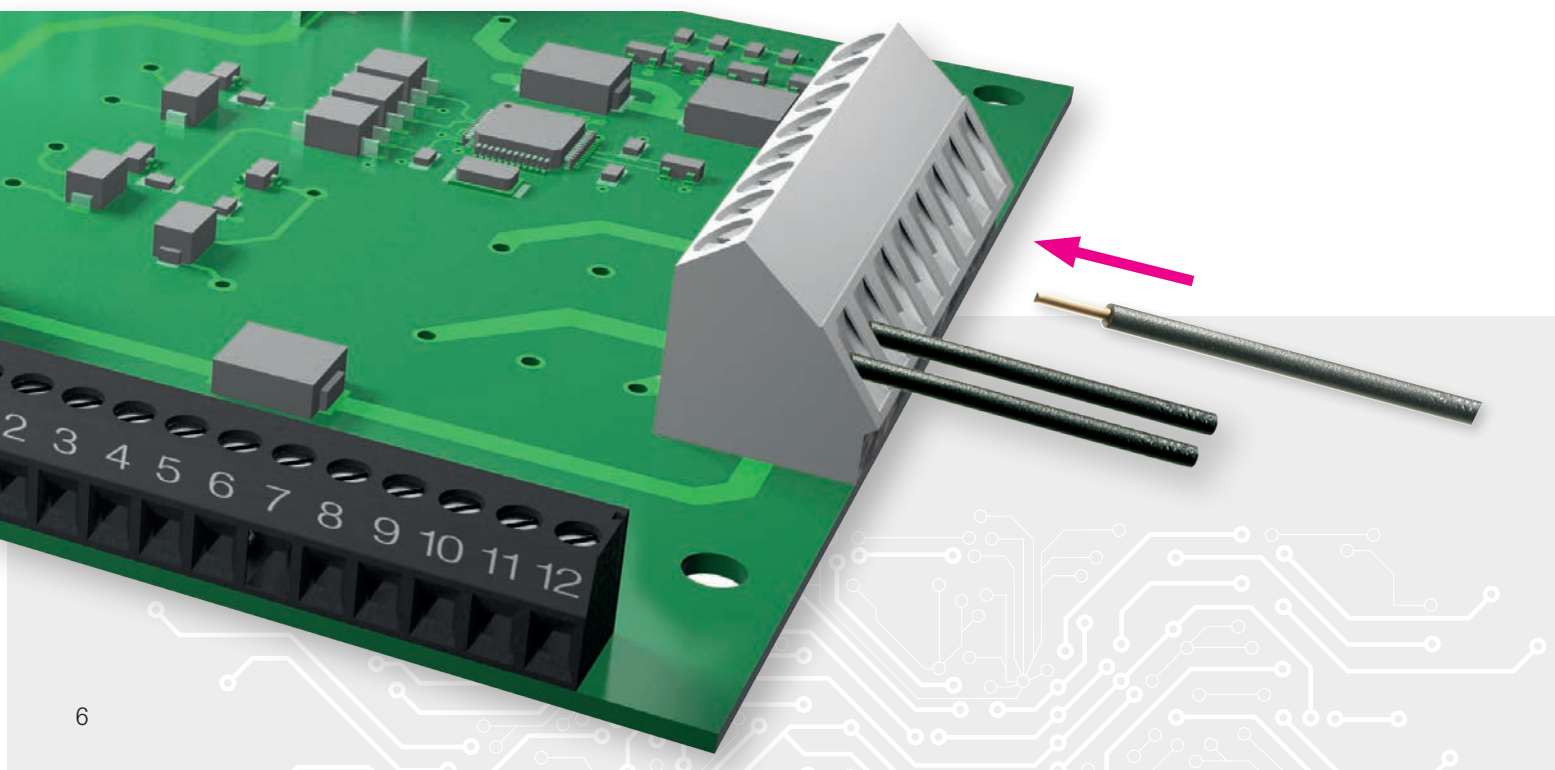
Secure connection, high quality, economical solution!
The simple PCB terminal block is available in a wide number of variants and is characterized by high contact reliability.

Features:

- Cross-sections from **0.14 mm²** to **16 mm²**
- For currents up to **76A** and voltages up to **1000V**
- With screw, tension spring or push-in connection
- Pitches 2.5mm to 10.16mm
- THR products in a wide variety of packaging, such as tape-on-reel, tray, box
- **No Flame** variants available
- Terminals **can be arranged in a pitch**
- Test point

Advantages:

- Space-saving since only one component is required for conductor connection
- Low contact resistance
- Universal application
- Secure connection
- Easily available





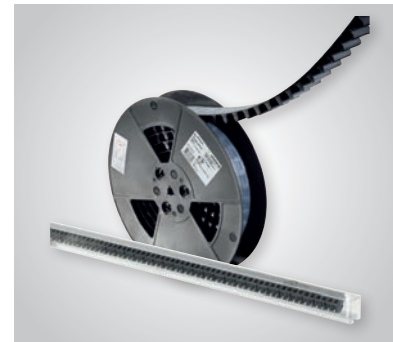
Individual markings

Printing in tampoprint or ink-jet processes, also multi-colored



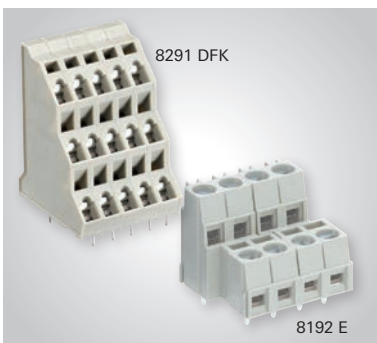
Compact geometry

Best possible use of the terminal space according to the DIN size



Process-optimized packaging

Components in box packaging, tape-on-reel or tray appropriate for your process



Multi-level variants

Make space thanks to high packaging and connection density



Distinguishable by color

Large number of available color variants



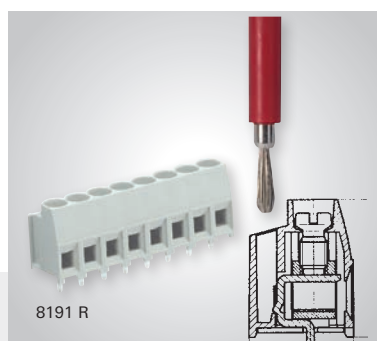
Space-saving placement

45° connector outlet allows the placement of clamp on clamp in several rows



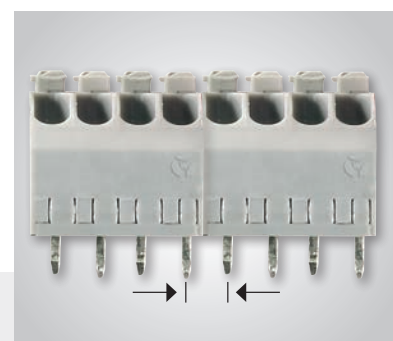
Individual clamp fitting

Pre-assembled jumpers, empty poles, closed clamping space, your choice



Integrated test points

Direct access to voltage-conducting parts with standard test plugs



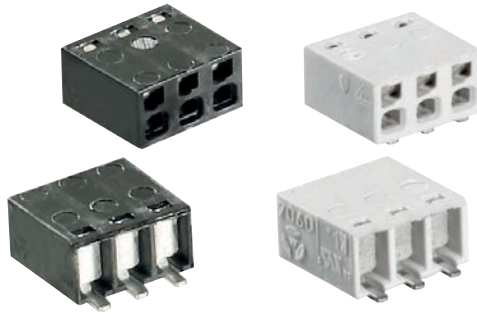
Side-by-side mounting

Save space and retain your board layout with side by side mounting also for different number of poles

PCB terminal series 7060 SMD, Push-In connection

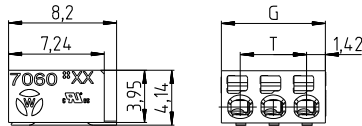
pitch 2.50 mm
0.75 mm²

IEC	320 V/2.5 kV	9 A	0.32 - 0.75 mm ² (Stranded) 0.32 - 0.75 mm ² (Solid) 22 - 18 AWG
cURus	150 V 300 V	7 A (Field) 9 A (Factory)	22 - 18 AWG
Solder Pin			
Drill Hole			
Wire Strip Length			5.5 mm
Screw Size			



See Technical Data section for screw material options

Approvals:



series 7060 SMD pitch 2.50 mm

Std. Pack	G	T	Pole
3,900	2.85	-	1
3,900	5.35	2.5	2
3,900	7.85	5.0	3
3,900	10.35	7.5	4
*	12.85	10.0	5
*	15.35	12.5	6
*	17.85	15.0	7
*	20.35	17.5	8

unmarked black	unmarked white		
Part Number	Part Number	Part Number	Part Number
25.400.3110.1	25.400.3110.2		
25.400.3210.1	25.400.3210.2		
25.400.3310.1	25.400.3310.2		
25.400.3410.1*	25.400.3410.2*		
25.400.3510.1*	25.400.3510.2*		
25.400.3610.1*	25.400.3610.2*		
25.400.3710.1*	25.400.3710.2*		
25.400.3810.1*	25.400.3810.2*		

* upon request

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

Custom marking available
More poles available on request

PCB terminal series 8562 TOP H, Push-In connection

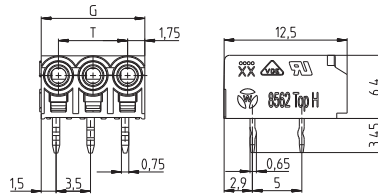
pitch 3.50 mm
1.5 mm²

IEC	250 V/4 kV	4 A	0.5 - 1.5 mm ² (Solid) 20 - 16 AWG
UL	300 V	4 A (Field) 4 A (Factory)	20 - 16 AWG
Solder Pin	0.65 x 0.75 mm		
Drill Hole	1.1 mm		
Wire Strip Length	8.0 mm		
Screw Size			



See Technical Data section for screw material options

Approvals:



series 8562 TOP H pitch 3.50 mm

Std. Pack	G	T	Pole
1,000	7.0	3.5	2
1,000	10.5	7.0	3
1,000	14.0	10.5	4
1,000	17.5	14.0	5
1,000	21.0	17.5	6
800	24.5	21.0	7
800	28.0	24.5	8
600	31.5	28.0	9
600	35.0	31.5	10

unmarked gray	unmarked white	unmarked orange	
Part Number	Part Number	Part Number	Part Number
25.400.4253.0	25.400.4257.0	25.400.4257.9	
25.400.4353.0	25.400.4357.0	25.400.4357.9	
25.400.4453.0	25.400.4457.0	25.400.4457.9	
25.400.4553.0	25.400.4557.0	25.400.4557.9	
25.400.4653.0	25.400.4657.0	25.400.4657.9	
25.400.4753.0	25.400.4757.0	25.400.4757.9	
25.400.4853.0	25.400.4857.0	25.400.4857.9	
25.400.4953.0	25.400.4957.0	25.400.4957.9	
25.400.5053.0	25.400.5057.0	25.400.5057.9	

Std. Pack	G	T	Pole

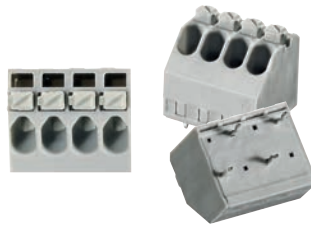
Part Number	Part Number	Part Number	Part Number

Custom marking available
More poles available on request

PCB terminal series 8562 N, Push-In connection

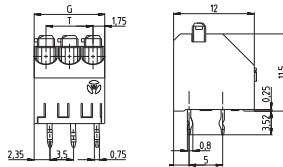
pitch 3.50 mm
1.5 mm²

IEC	250 V	4 A	0.5 - 1.5 mm ² (Stranded) 0.5 - 1.5 mm ² (Solid)
UL	51 - 150 V 151 - 300 V 301 - 600 V	9 A	20 - 16 AWG 20 - 16 AWG
Solder Pin			0.75 x 0.8 mm
Drill Hole			1.1 mm
Wire Strip Length			8.5 mm
Screw Size			



See Technical Data section for screw material options

Approvals:



series 8562 N pitch 3.50 mm

Std. Pack	G	T	Pole
1,000	7.00	3.5	2
1,000	10.50	7.0	3
1,000	14.00	10.5	4
1,000	17.50	14.0	5
1,000	21.00	17.5	6
800	24.50	21.0	7
800	28.00	24.5	8
600	31.50	28.0	9

unmarked gray	unmarked white		
Part Number	Part Number	Part Number	Part Number
25.400.6253.0	25.400.6257.0		
25.400.6353.0	25.400.6357.0		
25.400.6453.0	25.400.6457.0		
25.400.6553.0	25.400.6557.0		
25.400.6653.0	25.400.6657.0		
25.400.6753.0	25.400.6757.0		
25.400.6853.0	25.400.6857.0		
25.400.6953.0	25.400.6957.0		

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

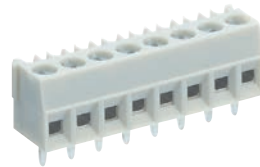
Custom marking available
More poles available on request

PCB terminal series 8593 / 8893, rising cage clamp system

pitch 3.50 / 3.81 mm
1.0 mm²

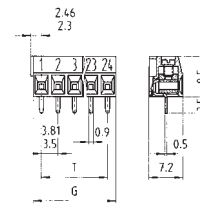
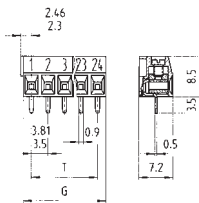
IEC	160 V 2.5kV cat.3 250 V 2.5kV cat.2 690 V 2.5kV cat.1	10 A	0.14 - 1.0 mm ² (Stranded) 0.14 - 1.5 mm ² (Solid)
UL	300 V	10 A	30 - 16 AWG
CSA	300 V	10 A	30 - 16 AWG
Solder Pin	0.5 x 0.9 mm		
Drill Hole	1.1 mm		
Wire Strip Length	5.0 mm		
Screw Size	M2		

THR (Through Hole-Reflow)



See Technical Data section for screw material options

Approvals:



series 8593 / 8593 OB THR pitch 3.50 mm

Std. Pack	G	T	Pole
100	7.00	3.5	2
100	10.50	7.0	3
50	14.00	10.5	4
50	17.50	14.0	5
50	21.00	17.5	6
50	24.50	21.0	7
50	28.00	24.5	8
50	31.50	28.0	9
50	35.00	31.5	10
50	38.50	35.0	11
50	42.00	38.5	12
50	45.50	42.0	13
50	49.00	45.5	14
50	52.50	49.0	15
50	56.00	52.5	16

unmarked without insulating plate	marked without insulating plate	unmarked Box	marked Tape on Reel
Part Number	Part Number	Part Number	Part Number
25.195.0253.0	25.194.0253.0	25.195.0206.0	25.195.0216.0
25.195.0353.0	25.194.0353.0	25.195.0306.0	25.195.0316.0
25.195.0453.0	25.194.0453.0	25.195.0406.0	25.195.0416.0
25.195.0553.0	25.194.0553.0	25.195.0506.0	25.195.0516.0
25.195.0653.0	25.194.0653.0	25.195.0606.0	25.195.0616.0
25.195.0753.0	25.194.0753.0	25.195.0706.0	25.195.0716.0
25.195.0853.0	25.194.0853.0	25.195.0806.0	25.195.0816.0
25.195.0953.0	25.194.0953.0	25.195.0906.0	25.195.0916.0
25.195.1053.0	25.194.1053.0	25.195.1006.0	25.195.1016.0
25.195.1153.0	25.194.1153.0	25.195.1106.0	25.195.1116.0
25.195.1253.0	25.194.1253.0	25.195.1206.0	25.195.1216.0
25.195.1353.0	25.194.1353.0		
25.195.1453.0	25.194.1453.0		
25.195.1553.0	25.194.1553.0		
25.195.1653.0	25.194.1653.0		

series 8893 pitch 3.81 mm

Std. Pack	G	T	Pole
100	7.62	3.81	2
100	11.43	7.62	3
50	15.24	11.43	4
50	19.05	15.24	5
50	22.86	19.05	6
50	26.67	22.86	7
50	30.48	26.67	8
50	34.29	30.48	9
50	41.91	34.29	10
50	45.72	38.10	11
50	49.53	41.91	12
50	53.34	45.72	13
50	57.15	49.53	14
50	60.96	53.34	15
50	64.77	57.15	16

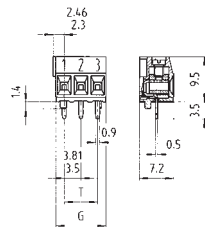
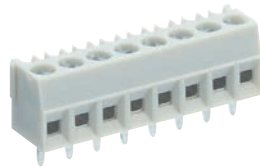
unmarked without insulating plate	marked without insulating plate		
Part Number	Part Number	Part Number	Part Number
25.197.0253.0	25.196.0253.0	25.197.0206.0	
25.197.0353.0	25.196.0353.0	25.197.0306.0	
25.197.0453.0	25.196.0453.0	25.197.0406.0	
25.197.0553.0	25.196.0553.0	25.197.0506.0	
25.197.0653.0	25.196.0653.0	25.197.0606.0	
25.197.0753.0	25.196.0753.0	25.197.0706.0	
25.197.0853.0	25.196.0853.0	25.197.0806.0	
25.197.0953.0	25.196.0953.0	25.197.0906.0	
25.197.1053.0	25.196.1053.0	25.197.1006.0	
25.197.1153.0	25.196.1153.0	25.197.1106.0	
25.197.1253.0	25.196.1253.0	25.197.1206.0	
25.197.1353.0	25.196.1353.0		
25.197.1453.0	25.196.1453.0		
25.197.1553.0	25.196.1553.0		
25.197.1653.0	25.196.1653.0		

Custom marking available
More poles available on request

PCB terminal series 8593 / 8893, rising cage clamp system

**pitch 3.50 / 3.81 mm
1.0 mm²**

IEC	160 V 2.5kV cat.3	10 A	0.14 - 1.0 mm ² (Stranded)
	250 V 2.5kV cat.2		0.14 - 1.5 mm ² (Solid)
	690 V 2.5kV cat.1		
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**

Std. Pack	G	T	Pole
100	7.00	3.5	2
100	10.50	7.0	3

unmarked with insulating plate with locating cams	marked with insulating plate with locating cams		
Part Number	Part Number	Part Number	Part Number
25.195.9253.0	25.194.9253.0		
25.195.9353.0	25.194.9353.0		

**series 8893
pitch 3.81 mm**

Std. Pack	G	T	Pole
100	7.62	3.81	2
100	11.43	7.62	3

unmarked with insulating plate with locating cams	marked with insulating plate with locating cams		
Part Number	Part Number	Part Number	Part Number
25.197.9253.0	25.196.9253.0		
25.197.9353.0	25.196.9353.0		

PCB terminal series 8192 / 8292, rising cage clamp system

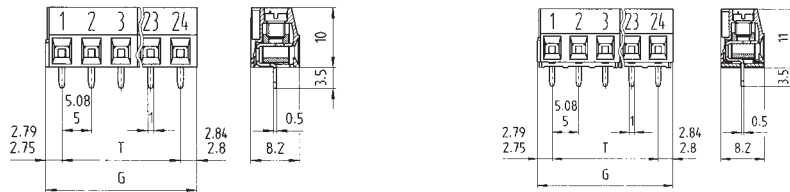
pitch 5.00 / 5.08 mm
1.5 mm²

IEC	250 V 4kV cat.3	10 A	0.14 - 1.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 2.5 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	15 A (Field)	30 - 14 AWG
		16 A (Factory)	
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

Std. Pack	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

Std. Pack	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

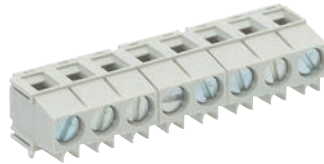
unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.193.0253.0	25.192.0253.0	25.193.9253.0	25.192.9253.0
25.193.0353.0	25.192.0353.0	25.193.9353.0	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**

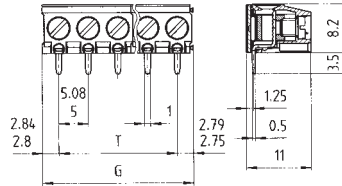
**pitch 5.00 / 5.08 mm
1.5 mm²**

IEC	250 V 4kV cat.3	10 A	0.14 - 1.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 2.5 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	15 A (Field)	30 - 14 AWG
		16 A (Factory)	
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**

Std. Pack	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	Part Number	Part Number	Part Number
25.191.6253.0			
25.191.6353.0			
25.191.6453.0			
25.191.6553.0			
25.191.6653.0			
25.191.6753.0			
25.191.6853.0			
25.191.6953.0			
25.191.7053.0			
25.191.7153.0			
25.191.7253.0			
25.191.7353.0			
25.191.7453.0			
25.191.7553.0			
25.191.7653.0			

**series 8292 ZW
pitch 5.08 mm**

Std. Pack	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

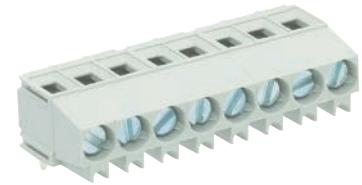
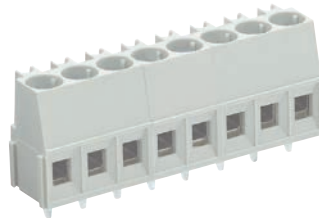
unmarked without insulating plate			
Part Number	Part Number	Part Number	Part Number
25.193.6253.0			
25.193.6353.0			
25.193.6453.0			
25.193.6553.0			
25.193.6653.0			
25.193.6753.0			
25.193.6853.0			
25.193.6953.0			
25.193.7053.0			
25.193.7153.0			
25.193.7253.0			
25.193.7353.0			
25.193.7453.0			
25.193.7553.0			
25.193.7653.0			

Custom marking available
More poles available on request

PCB terminal series 8191 / 8291, rising cage clamp system

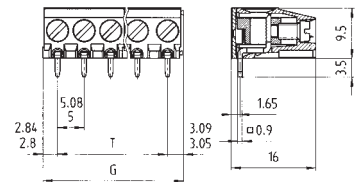
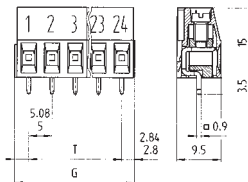
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV 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 5.00 mm

Std. Pack	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

Std. Pack	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

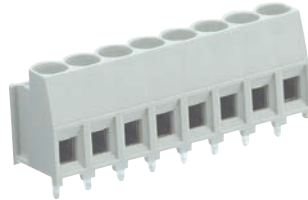
unmarked without insulating plate without locating cams	marked without insulating plate without locating cams	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.163.0253.0	25.162.0253.0	25.163.6253.0	25.162.6253.0
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**

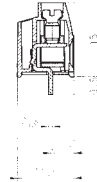
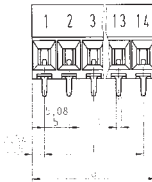
**pitch 5.00 / 5.08 mm
2.5 mm²**

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 4.0 mm ² (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:



**series 8191 R
pitch 5.00 mm**

Std. Pack	G	T	Pole
500	10.85	5	2
500	15.85	10	3
250	20.85	15	4
250	25.85	20	5
200	30.85	25	6
200	35.85	30	7
100	40.85	35	8
100	45.85	40	9
100	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 with insulating plate	marked with insulating plate		
Part Number	Part Number	Part Number	Part Number
25.155.0253.0	25.155.2253.0		
25.155.0353.0	25.155.2353.0		
25.155.0453.0	25.155.2453.0		
25.155.0553.0	25.155.2553.0		
25.155.0653.0	25.155.2653.0		
25.155.0753.0	25.155.2753.0		
25.155.0853.0	25.155.2853.0		
25.155.0953.0	25.155.2953.0		
25.155.1053.0	25.155.3053.0		
25.155.1153.0	25.155.3153.0		
25.155.1253.0	25.155.3253.0		
25.155.1353.0	25.155.3353.0		
25.155.1453.0	25.155.3453.0		
25.155.1553.0	25.155.3553.0		
25.155.1653.0	25.155.3653.0		

**series 8291 R
pitch 5.08 mm**

Std. Pack	G	T	Pole
500	11.01	5.08	2
500	16.09	10.16	3
250	21.17	15.24	4
250	26.25	20.32	5
200	31.33	25.40	6
200	36.41	30.48	7
100	41.49	35.56	8
100	46.57	40.64	9
100	51.56	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

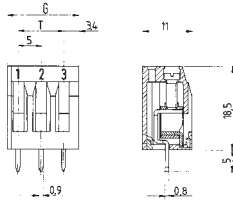
unmarked with insulating plate	marked with insulating plate		
Part Number	Part Number	Part Number	Part Number
25.156.0253.0	25.156.2253.0		
25.156.0353.0	25.156.2353.0		
25.156.0453.0	25.156.2453.0		
25.156.0553.0	25.156.2553.0		
25.156.0653.0	25.156.2653.0		
25.156.0753.0	25.156.2753.0		
25.156.0853.0	25.156.2853.0		
25.156.0953.0	25.156.2953.0		
25.156.1053.0	25.156.3053.0		
25.156.1153.0	25.156.3153.0		
25.156.1253.0	25.156.3253.0		
25.156.1353.0	25.156.3353.0		
25.156.1453.0	25.156.3453.0		
25.156.1553.0	25.156.3553.0		
25.156.1653.0	25.156.3653.0		

Custom marking available
More poles available on request

PCB terminal series 8190, rising cage clamp system

pitch 5.00 / 10.00 mm
2.5 mm²

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV 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	6.0 mm		
Screw Size	M2.5		



See Technical Data section for screw material options

Approvals:



series 8190 pitch 5.00 mm

Std. Pack	G	T	Pole
100	10.86	5	2
100	15.86	10	3
50	20.86	15	4
50	25.86	20	5
50	30.86	25	6
50	35.86	30	7
50	40.86	35	8
50	45.86	40	9
50	50.86	45	10
50	55.86	50	11
50	60.86	55	12
50	65.86	60	13
50	70.86	65	14
50	75.86	70	15
50	80.86	75	16

unmarked	marked		
Part Number	Part Number	Part Number	Part Number
25.131.0253.0	25.130.0253.0		
25.131.0353.0	25.130.0353.0		
25.131.0453.0	25.130.0453.0		
25.131.0553.0	25.130.0553.0		
25.131.0653.0	25.130.0653.0		
25.131.0753.0	25.130.0753.0		
25.131.0853.0	25.130.0853.0		
25.131.0953.0	25.130.0953.0		
25.131.1053.0	25.130.1053.0		
25.131.1153.0	25.130.1153.0		
25.131.1253.0	25.130.1253.0		
25.131.1353.0	25.130.1353.0		
25.131.1453.0	25.130.1453.0		
25.131.1553.0	25.130.1553.0		
25.131.1653.0	25.130.1653.0		

series 8190 pitch 10.00 mm

Std. Pack	G	T	Pole
50	20.86	10	2
50	30.86	20	3
50	40.86	30	4
50	50.86	40	5
50	60.86	50	6
50	70.86	60	7
50	80.86	70	8
50	90.86	80	9
50	100.86	90	10
50	110.86	100	11
50	120.86	110	12

unmarked	marked	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.133.0253.0	25.132.0253.0		
25.133.0353.0	25.132.0353.0		
25.133.0453.0	25.132.0453.0		
25.133.0553.0	25.132.0553.0		
25.133.0653.0	25.132.0653.0		
25.133.0753.0	25.132.0753.0		
25.133.0853.0	25.132.0853.0		
25.133.0953.0	25.132.0953.0		
25.133.1053.0	25.132.1053.0		
25.133.1153.0	25.132.1153.0		
25.133.1253.0	25.132.1253.0		

Custom marking available
More poles available on request

PCB terminal series 8158 / 8258, spring clamp system

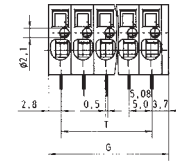
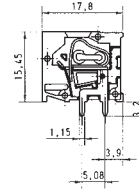
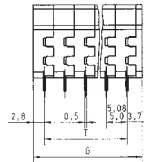
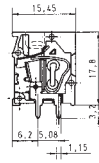
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	20 A	22 - 12 AWG
			30 - 12 AWG
CSA	300 V	20 A	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

Std. Pack	G	T	Pole
100			2
100			3
50			4
50			5
50			6
50			7
50			8
50			9
50			10
50			11
50			12
50			13
50			14
50			15
50			16

Part Number	Part Number	Part Number	Part Number
25.780.0253.0		25.790.0253.0	
25.780.0353.0		25.790.0353.0	
25.780.0453.0		25.790.0453.0	
25.780.0553.0		25.790.0553.0	
25.780.0653.0		25.790.0653.0	
25.780.0753.0		25.790.0753.0	
25.780.0853.0		25.790.0853.0	
25.780.0953.0		25.790.0953.0	
25.780.1053.0		25.790.1053.0	
25.780.1153.0		25.790.1153.0	
25.780.1253.0		25.790.1253.0	
25.780.1353.0		25.790.1353.0	
25.780.1453.0		25.790.1453.0	
25.780.1553.0		25.790.1553.0	
25.780.1653.0		25.790.1653.0	

series 8258 TOP V/H pitch 5.08 mm

Std. Pack	G	T	Pole
100			2
100			3
50			4
50			5
50			6
50			7
50			8
50			9
50			10
50			11
50			12
50			13
50			14
50			15
50			16

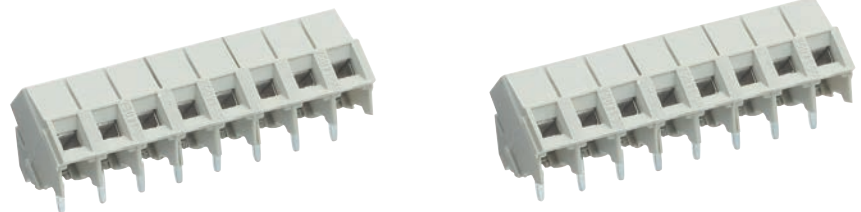
Part Number	Part Number	Part Number	Part Number
25.781.0253.0		25.791.0253.0	
25.781.0353.0		25.791.0353.0	
25.781.0453.0		25.791.0453.0	
25.781.0553.0		25.791.0553.0	
25.781.0653.0		25.791.0653.0	
25.781.0753.0		25.791.0753.0	
25.781.0853.0		25.791.0853.0	
25.781.0953.0		25.791.0953.0	
25.781.1053.0		25.791.1053.0	
25.781.1153.0		25.791.1153.0	
25.781.1253.0		25.791.1253.0	
25.781.1353.0		25.791.1353.0	
25.781.1453.0		25.791.1453.0	
25.781.1553.0		25.791.1553.0	
25.781.1653.0		25.791.1653.0	

Custom marking available
More poles available on request

PCB terminal series 8134 / 8234, rising cage clamp system

pitch 5.00 / 5.08 mm
1.5 mm²

IEC	250 V 4kV cat.3	10 A	0.14 - 1.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 2.5 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	15 A (Field)	30 - 14 AWG
		16 A (Factory)	
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

Std. Pack	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 locating cams
Part Number	Part Number	Part Number	Part Number
25.501.0253.0	25.500.0253.0	25.501.6253.0	25.500.6253.0
25.501.0353.0	25.500.0353.0	25.501.6353.0	25.500.6353.0
25.501.0453.0	25.500.0453.0		
25.501.0553.0	25.500.0553.0		
25.501.0653.0	25.500.0653.0		
25.501.0753.0	25.500.0753.0		
25.501.0853.0	25.500.0853.0		
25.501.0953.0	25.500.0953.0		
25.501.1053.0	25.500.1053.0		
25.501.1153.0	25.500.1153.0		
25.501.1253.0	25.500.1253.0		
25.501.1353.0	25.500.1353.0		
25.501.1453.0	25.500.1453.0		
25.501.1553.0	25.500.1553.0		
25.501.1653.0	25.500.1653.0		

series 8234 pitch 5.08 mm

Std. Pack	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

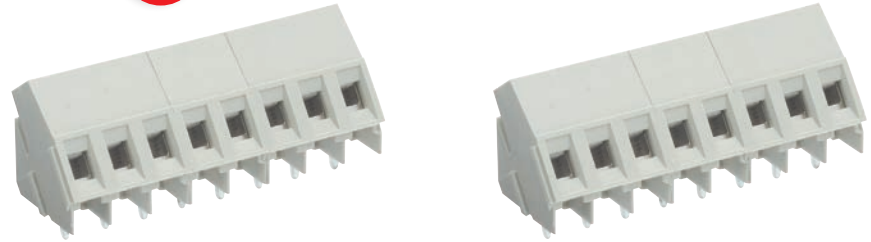
unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with locating cams
Part Number	Part Number	Part Number	Part Number
25.503.0253.0	25.502.0253.0	25.503.6253.0	25.502.6253.0
25.503.0353.0	25.502.0353.0	25.503.6353.0	25.502.6353.0
25.503.0453.0	25.502.0453.0		
25.503.0553.0	25.502.0553.0		
25.503.0653.0	25.502.0653.0		
25.503.0753.0	25.502.0753.0		
25.503.0853.0	25.502.0853.0		
25.503.0953.0	25.502.0953.0		
25.503.1053.0	25.502.1053.0		
25.503.1153.0	25.502.1153.0		
25.503.1253.0	25.502.1253.0		
25.503.1353.0	25.502.1353.0		
25.503.1453.0	25.502.1453.0		
25.503.1553.0	25.502.1553.0		
25.503.1653.0	25.502.1653.0		

Custom marking available
More poles available on request

PCB terminal series 8135 / 8235, rising cage clamp system

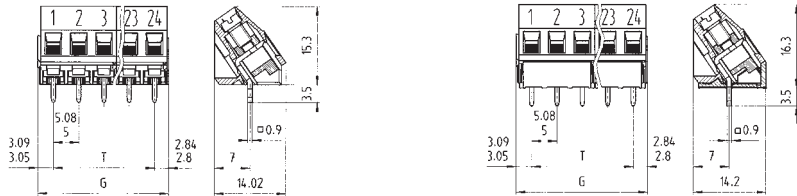
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	16 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 4.0 mm ² (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

Std. Pack	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
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

Std. Pack	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
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 terminal series 8185 / 8285, TOP connection system

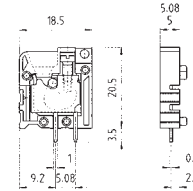
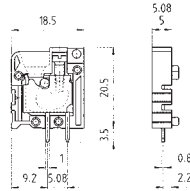
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	20 A (Field)	22 - 12 AWG
		25 A (Factory)	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

Std. Pack	G*	T	Pole
100	12.5	5	2
100	17.5	10	3
50	22.5	15	4
50	27.5	20	5
50	32.5	25	6
50	37.5	30	7
50	42.5	35	8
50	47.5	40	9
50	52.5	45	10
50	57.5	50	11
50	62.5	55	12
50	67.5	60	13
50	72.5	65	14
50	77.5	70	15
50	82.5	75	16

* end plate included

Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
25.741.0253.0		25.741.0053.0	07.300.4753.0
25.741.0353.0			
25.741.0453.0			
25.741.0553.0			
25.741.0653.0			
25.741.0753.0			
25.741.0853.0			
25.741.0953.0			
25.741.1053.0			
25.741.1153.0			
25.741.1253.0			
25.741.1353.0			
25.741.1453.0			
25.741.1553.0			
25.741.1653.0			

series 8285 TOP V pitch 5.08 mm

Std. Pack	G*	T	Pole
100	12.66	5.08	2
100	17.74	10.16	3
50	22.82	15.24	4
50	27.90	20.32	5
50	32.98	25.40	6
50	38.06	30.48	7
50	43.14	35.56	8
50	48.22	40.64	9
50	53.30	45.72	10
50	58.38	50.80	11
50	63.46	55.88	12
50	68.54	60.96	13
50	73.62	66.04	14
50	78.70	71.12	15
50	83.78	76.20	16

* end plate included

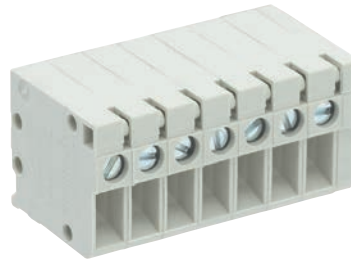
Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
25.751.0253.0		25.751.0053.0	07.300.4753.0
25.751.0353.0			
25.751.0453.0			
25.751.0553.0			
25.751.0653.0			
25.751.0753.0			
25.751.0853.0			
25.751.0953.0			
25.751.1053.0			
25.751.1153.0			
25.751.1253.0			
25.751.1353.0			
25.751.1453.0			
25.751.1553.0			
25.751.1653.0			

Custom marking available
More poles available on request

PCB terminal series 8185 / 8285, TOP connection system

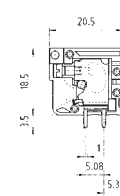
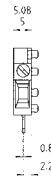
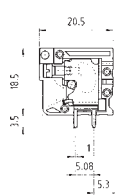
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	20 A (Field)	22 - 12 AWG
		25 A (Factory)	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

Std. Pack	G*	T	Pole
100	12.5	5	2
100	17.5	10	3
50	22.5	15	4
50	27.5	20	5
50	32.5	25	6
50	37.5	30	7
50	42.5	35	8
50	47.5	40	9
50	52.5	45	10
50	57.5	50	11
50	62.5	55	12
50	67.5	60	13
50	72.5	65	14
50	77.5	70	15
50	82.5	75	16

* end plate included

series 8285 TOP H pitch 5.08 mm

Std. Pack	G*	T	Pole
100	12.66	5.08	2
100	17.74	10.16	3
50	22.82	15.24	4
50	27.90	20.32	5
50	32.98	25.40	6
50	38.06	30.48	7
50	43.14	35.56	8
50	48.22	40.64	9
50	53.30	45.72	10
50	58.38	50.80	11
50	63.46	55.88	12
50	68.54	60.96	13
50	73.62	66.04	14
50	78.70	71.12	15
50	83.78	76.20	16

* end plate included

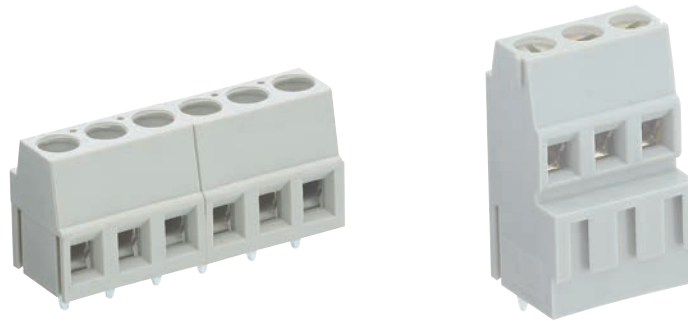
Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
25.741.3253.0		25.741.0153.0	07.300.4753.0
25.741.3353.0			
25.741.3453.0			
25.741.3553.0			
25.741.3653.0			
25.741.3753.0			
25.741.3853.0			
25.741.3953.0			
25.741.4053.0			
25.741.4153.0			
25.741.4253.0			
25.741.4353.0			
25.741.4453.0			
25.741.4553.0			
25.741.4653.0			

Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
25.751.3253.0		25.751.0153.0	07.300.4753.0
25.751.3353.0			
25.751.3453.0			
25.751.3553.0			
25.751.3653.0			
25.751.3753.0			
25.751.3853.0			
25.751.3953.0			
25.751.4053.0			
25.751.4153.0			
25.751.4253.0			
25.751.4353.0			
25.751.4453.0			
25.751.4553.0			
25.751.4653.0			

PCB terminal series 8292, rising cage clamp system

pitch 5.08 mm
1.5 mm²

IEC	250 V 4kV cat.3	15 A	0.5 - 1.5 mm ² (Stranded)
	250 V 4kV cat.2		0.5 - 1.5 mm ² (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:



series 8292 H / DH pitch 5.08 mm

Std. Pack	G	T	Pole
100	10.16	5.08	2
100	15.24	10.16	3

unmarked	Part Number	unmarked	Part Number
	27.000.0253.0		27.000.2253.0
	27.000.0353.0		27.000.2353.0

Std. Pack	G	T	Pole
-----------	---	---	------

Part Number	Part Number	Part Number	Part Number
-------------	-------------	-------------	-------------

PCB terminal series 8192 / 8292, rising cage clamp system

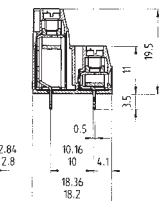
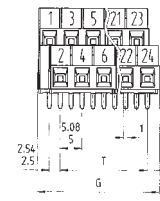
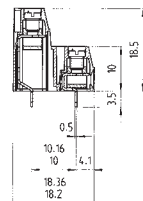
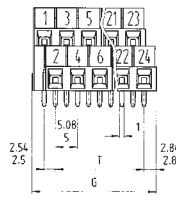
pitch 5.00 / 5.08 mm
1.5 mm²

IEC	250 V 4kV cat.3	10 A	0.14 - 1.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 2.5 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	15 A (Field)	30 - 14 AWG
		16 A (Factory)	
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

Std. Pack	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

Std. Pack	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

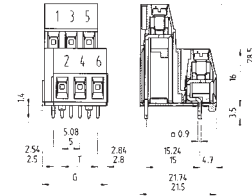
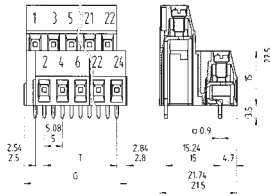
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	20 A (Field) 30 A (Factory)	22 - 12 AWG
	300 V	25 A	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

Std. Pack	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
25.178.5253.0	25.178.0253.0	25.178.9253.0	25.178.4253.0
25.178.5353.0	25.178.0353.0	25.178.9353.0	25.178.4353.0
25.178.5453.0	25.178.0453.0		
25.178.5553.0	25.178.0553.0		
25.178.5653.0	25.178.0653.0		
25.178.5753.0	25.178.0753.0		
25.178.5853.0	25.178.0853.0		
25.178.5953.0	25.178.0953.0		
25.178.6053.0	25.178.1053.0		
25.178.6153.0	25.178.1153.0		
25.178.6253.0	25.178.1253.0		

series 8291 E pitch 5.08 mm

Std. Pack	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
25.179.5253.0	25.179.0253.0	25.179.9253.0	25.179.4253.0
25.179.5353.0	25.179.0353.0	25.179.9353.0	25.179.4353.0
25.179.5453.0	25.179.0453.0		
25.179.5553.0	25.179.0553.0		
25.179.5653.0	25.179.0653.0		
25.179.5753.0	25.179.0753.0		
25.179.5853.0	25.179.0853.0		
25.179.5953.0	25.179.0953.0		
25.179.6053.0	25.179.1053.0		
25.179.6153.0	25.179.1153.0		
25.179.6253.0	25.179.1253.0		

Custom marking available
More poles available on request

PCB terminal series 8190, rising cage clamp system

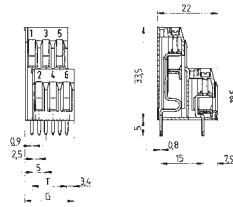
pitch 5.00 mm
2.5 mm²

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV 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 8190 E pitch 5.00 mm

Std. Pack	G	T	Pole
50	13.36	5	4
50	18.36	10	6
50	23.36	15	8
50	28.36	20	10
50	33.36	25	12
50	38.36	30	14
50	43.36	35	16
50	48.36	40	18
50	53.36	45	20
50	58.36	50	22
50	63.36	55	24

unmarked	marked		
Part Number	Part Number	Part Number	Part Number
25.131.3253.0	25.130.3253.0		
25.131.3353.0	25.130.3353.0		
25.131.3453.0	25.130.3453.0		
25.131.3553.0	25.130.3553.0		
25.131.3653.0	25.130.3653.0		
25.131.3753.0	25.130.3753.0		
25.131.3853.0	25.130.3853.0		
25.131.3953.0	25.130.3953.0		
25.131.4053.0	25.130.4053.0		
25.131.4153.0	25.130.4153.0		
25.131.4253.0	25.130.4253.0		

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

Custom marking available
More poles available on request

PCB terminal series 8291, spring clamp system

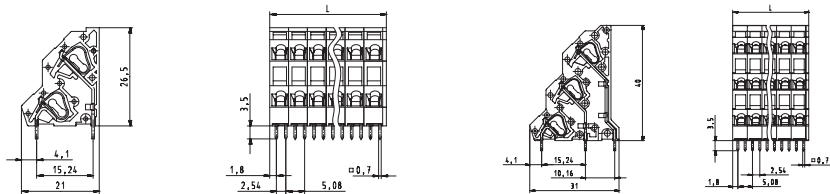
pitch 5.08 mm
2.5 mm²

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



See Technical Data section for screw material options

Approvals:



series 8291 EFK OB pitch 5.08 mm

Std. Pack	G	T	Pole
100	11.16	5.08	4
100	16.24	10.16	6
50	21.32	15.24	8
50	26.40	20.32	10
50	31.48	25.40	12
50	36.56	30.48	14
50	41.64	35.56	16
50	46.72	40.64	18
50	51.80	45.72	20
50	56.88	50.80	22
50	61.96	55.88	24
50	67.04	60.96	26
50	72.12	66.04	28
50	77.20	71.12	30
50	82.28	76.20	32

unmarked			
Part Number	Part Number	Part Number	Part Number
27.008.3253.0			
27.008.3353.0			
27.008.3453.0			
27.008.3553.0			
27.008.3653.0			
27.008.3753.0			
27.008.3853.0			
27.008.3953.0			
27.008.4053.0			
27.008.4153.0			
27.008.4253.0			
27.008.4353.0			
27.008.4453.0			
27.008.4553.0			
27.008.4653.0			

series 8291 DFK OB pitch 5.08 mm

Std. Pack	G	T	Pole
100	11.16	5.08	6
100	16.24	10.16	9
50	21.32	15.24	12
50	26.40	20.32	15
50	31.48	25.40	18
50	36.56	30.48	21
50	41.64	35.56	24
50	46.72	40.64	27
50	51.80	45.72	30
50	56.88	50.80	33
50	61.96	55.88	36
50	67.04	60.96	39
50	72.12	66.04	42
50	77.20	71.12	45
50	82.28	76.20	48

		unmarked	
Part Number	Part Number	Part Number	Part Number
		27.009.3253.0	
		27.009.3353.0	
		27.009.3453.0	
		27.009.3553.0	
		27.009.3653.0	
		27.009.3753.0	
		27.009.3853.0	
		27.009.3953.0	
		27.009.4053.0	
		27.009.4153.0	
		27.009.4253.0	
		27.009.4353.0	
		27.009.4453.0	
		27.009.4553.0	
		27.009.4653.0	

Custom marking available
More poles available on request

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

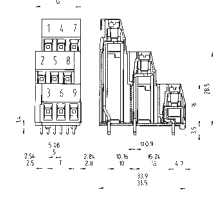
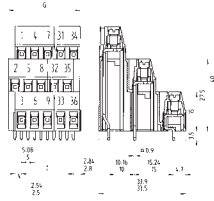
**pitch 5.00 / 5.08 mm
2.5 mm²**

IEC	250 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV 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 D
pitch 5.00 mm**

Std. Pack	G	T	Pole
50	12.8	5	6
50	17.8	10	9
50	22.8	15	12
50	27.8	20	15
50	32.8	25	18
50	37.8	30	21
50	42.8	35	24
50	47.8	40	27
50	52.8	45	30
50	57.8	50	33
50	62.8	55	36

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
25.180.5253.0	25.180.0253.0	25.180.9253.0	25.180.4253.0
25.180.5353.0	25.180.0353.0	25.180.9353.0	25.180.4353.0
25.180.5453.0	25.180.0453.0		
25.180.5553.0	25.180.0553.0		
25.180.5653.0	25.180.0653.0		
25.180.5753.0	25.180.0753.0		
25.180.5853.0	25.180.0853.0		
25.180.5953.0	25.180.0953.0		
25.180.6053.0	25.180.1053.0		
25.180.6153.0	25.180.1153.0		
25.180.6253.0	25.180.1253.0		

**series 8291 D
pitch 5.08 mm**

Std. Pack	G	T	Pole
50	12.70	5.08	6
50	17.78	10.16	9
50	22.86	15.24	12
50	27.94	20.32	15
50	33.02	25.40	18
50	38.10	30.48	21
50	43.18	35.56	24
50	48.26	40.64	27
50	53.34	45.72	30
50	58.42	50.80	33
50	63.50	55.88	36

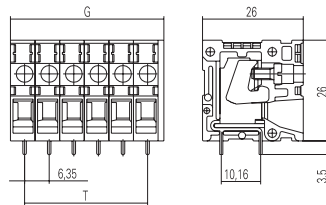
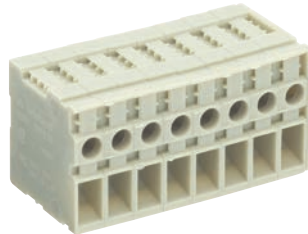
unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
25.181.5253.0	25.181.0253.0	25.181.9253.0	25.181.4253.0
25.181.5353.0	25.181.0353.0	25.181.9353.0	25.181.4353.0
25.181.5453.0	25.181.0453.0		
25.181.5553.0	25.181.0553.0		
25.181.5653.0	25.181.0653.0		
25.181.5753.0	25.181.0753.0		
25.181.5853.0	25.181.0853.0		
25.181.5953.0	25.181.0953.0		
25.181.6053.0	25.181.1053.0		
25.181.6153.0	25.181.1153.0		
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
4.0 mm²

IEC	320 V 4kV cat.3	36 A	0.50 - 4.0 mm ² (Stranded)
	320 V 4kV cat.2		0.50 - 6.0 mm ² (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:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 7386 TOP H pitch 6.35 mm

Std. Pack	G	T	Pole
50	14.20	6.35	2
50	20.55	12.70	3
50	26.90	19.05	4
50	33.25	25.40	5
50	39.60	31.75	6
50	45.95	38.10	7
50	52.30	44.45	8

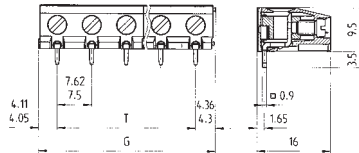
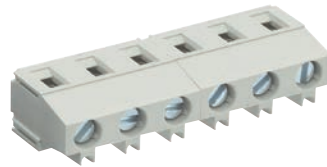
unmarked	Part Number	Part Number	Part Number

Custom marking available
More poles available on request

PCB terminal series 8391 / 8491, rising cage clamp system

pitch 7.50 / 7.62 mm
2.5 mm²

IEC	400 V 6kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	1000 V 6kV cat.2		0.14 - 4.0 mm ² (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:



series 8391 ZW pitch 7.50 mm

Std. Pack	G	T	Pole
100	15.85	7.50	2
100	23.35	15.0	3

unmarked with insulating plate without locating cams	marked with insulating plate with locating cams		
Part Number	Part Number	Part Number	Part Number
25.165.6253.0	25.164.6253.0		
25.165.6353.0	25.164.6353.0		

series 8491 ZW pitch 7.62 mm

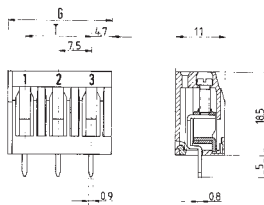
Std. Pack	G	T	Pole
100	16.09	7.62	2
100	23.71	15.24	3

unmarked with insulating plate without locating cams	marked with insulating plate with locating cams		
Part Number	Part Number	Part Number	Part Number
25.167.6253.0	25.166.6253.0		
25.167.6353.0	25.166.6353.0		

PCB terminal series 8390, rising cage clamp system

pitch 7.50 mm
2.5 mm²

IEC	500 V 6kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	1000 V 6kV cat.2		0.14 - 4.0 mm ² (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

Std. Pack	G	T	Pole
100	15.86	7.5	2
100	23.36	15.0	3
50	30.86	22.5	4
50	38.36	30.0	5
50	45.86	37.5	6
50	53.36	45.0	7
50	60.86	52.5	8
50	68.36	60.0	9
50	75.86	67.5	10
50	83.36	75.0	11
50	90.86	82.5	12

unmarked	marked		
Part Number	Part Number	Part Number	Part Number
25.151.0253.0	25.150.0253.0		
25.151.0353.0	25.150.0353.0		
25.151.0453.0	25.150.0453.0		
25.151.0553.0	25.150.0553.0		
25.151.0653.0	25.150.0653.0		
25.151.0753.0	25.150.0753.0		
25.151.0853.0	25.150.0853.0		
25.151.0953.0	25.150.0953.0		
25.151.1053.0	25.150.1053.0		
25.151.1153.0	25.150.1153.0		
25.151.1253.0	25.150.1253.0		

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

Custom marking available
More poles available on request

PCB terminal series 8385 / 8485, TOP connection system

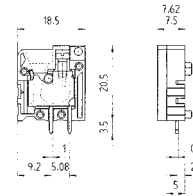
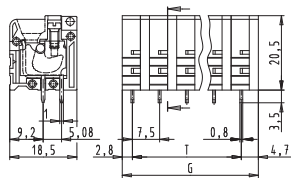
pitch 7.50 / 7.62 mm
2.5 mm²

IEC	400 V 4kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	1000 V 4kV cat.2		0.14 - 4.0 mm ² (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

Std. Pack	G	T	Pole
100	15.0	7.5	2
100	22.5	15.0	3
50	30.0	22.5	4
50	37.5	30.0	5
50	45.0	37.5	6
50	52.5	45.0	7
50	60.0	52.5	8
50	67.5	60.0	9
50	75.0	67.5	10
50	82.5	75.0	11
50	90.0	82.5	12

Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
25.761.0253.0		25.761.0053.0	07.300.4753.0
25.761.0353.0			
25.761.0453.0			
25.761.0553.0			
25.761.0653.0			
25.761.0753.0			
25.761.0853.0			
25.761.0953.0			
25.761.1053.0			
25.761.1153.0			
25.761.1253.0			

series 8485 TOP V pitch 7.62 mm

Std. Pack	G	T	Pole
100	15.12	7.62	2
100	22.74	15.24	3
50	30.36	22.86	4
50	37.98	30.48	5
50	45.60	38.10	6
50	53.22	45.72	7
50	60.84	53.34	8

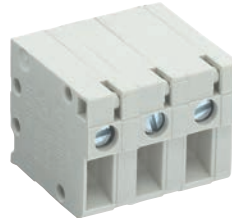
Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
25.771.0253.0		25.771.0053.0	07.300.4753.0
25.771.0353.0			
25.771.0453.0			
25.771.0553.0			
25.771.0653.0			
25.771.0753.0			
25.771.0853.0			

Custom marking available
More poles available on request

PCB terminal series 8385 / 8485, TOP connection system

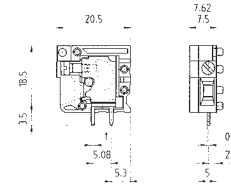
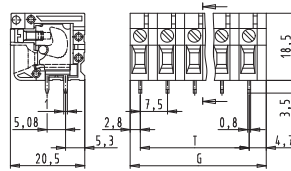
pitch 7.50 / 7.62 mm
2.5 mm²

IEC	400 V 6kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	1000 V 6kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 6kV 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 H pitch 7.50 mm

Std. Pack	G	T	Pole
100	15.0	7.5	2
100	22.5	15.0	3
50	30.0	22.5	4
50	37.5	30.0	5
50	45.0	37.5	6
50	52.5	45.0	7
50	60.0	52.5	8

Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
25.761.3253.0		25.761.0153.0	07.300.4753.0
25.761.3353.0			
25.761.3453.0			
25.761.3553.0			
25.761.3653.0			
25.761.3753.0			
25.761.3853.0			

series 8485 TOP H pitch 7.62 mm

Std. Pack	G	T	Pole
100	15.12	7.62	2
100	22.74	15.24	3
50	30.36	22.86	4
50	37.98	30.48	5
50	45.60	38.10	6
50	53.22	45.72	7
50	60.84	53.34	8

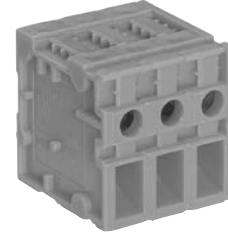
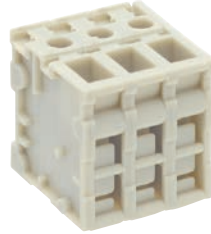
Part Number	Part Number	Individual poles connected in series (1 pole) Part Number	Individual poles connected in series (end plate) Part Number
25.771.3253.0		25.771.0153.0	07.300.4753.0
25.771.3353.0			
25.771.3453.0			
25.771.3553.0			
25.771.3653.0			
25.771.3753.0			
25.771.3853.0			

Custom marking available
More poles available on request

PCB terminal series 8486, TOP connection system

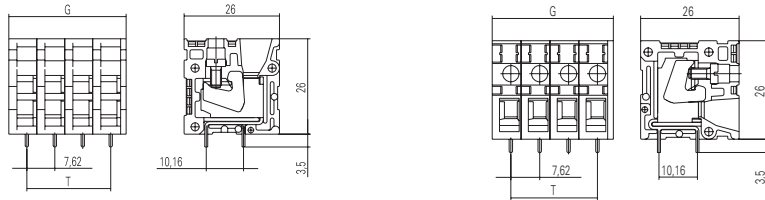
pitch 7.62 mm
4.0 mm²

IEC	500 V 4kV cat.3	36 A	0.50 - 4.0 mm ² (Stranded)
	630 V 4kV cat.2		0.50 - 6.0 mm ² (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:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8486 TOP V/H pitch 7.62 mm

Std. Pack	G	T	Pole
50	16.74	7.62	2
50	24.36	15.24	3
50	31.98	22.86	4

unmarked Part Number	Part Number	unmarked Part Number	Part Number
27.703.0253.0		27.713.0253.0	
27.703.0353.0		27.713.0353.0	
27.703.0453.0		27.713.0453.0	

Custom marking available
More poles available on request

PCB terminal series 8358 / 8458, spring clamp system

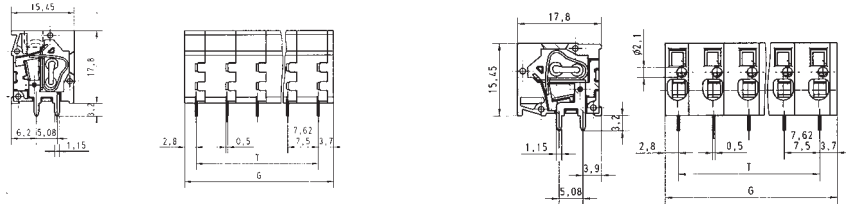
pitch 7.50 / 7.62 mm
2.5 mm²

IEC	400 V 6kV cat.3 1000 V 6kV cat.2 1000 V 6kV cat.1	16 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 4.0 mm ² (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

Std. Pack	G	T	Pole
100	14.0	7.5	2
100	21.5	15.0	3
50	29.0	22.5	4
50	36.5	30.0	5
50	44.0	37.5	6
50	51.5	45.0	7
50	59.0	52.5	8
50	66.5	60.0	9
50	74.0	67.5	10
50	81.5	75.0	11
50	89.0	82.5	12
50	96.5	90.0	13
50	104.0	97.5	14
50	111.5	105.0	15
50	119.0	112.5	16

Part Number	Part Number	Part Number	Part Number
25.782.0253.0		25.792.0253.0	
25.782.0353.0		25.792.0353.0	
25.782.0453.0		25.792.0453.0	
25.782.0553.0		25.792.0553.0	
25.782.0653.0		25.792.0653.0	
25.782.0753.0		25.792.0753.0	
25.782.0853.0		25.792.0853.0	
25.782.0953.0		25.792.0953.0	
25.782.1053.0		25.792.1053.0	
25.782.1153.0		25.792.1153.0	
25.782.1253.0		25.792.1253.0	
25.782.1353.0		25.792.1353.0	
25.782.1453.0		25.792.1453.0	
25.782.1553.0		25.792.1553.0	
25.782.1653.0		25.792.1653.0	

series 8458 TOP V/H pitch 7.62 mm

Std. Pack	G	T	Pole
100	14.12	7.62	2
100	21.74	15.24	3
50	29.36	22.86	4
50	36.98	30.48	5
50	44.60	38.10	6
50	52.22	45.72	7
50	59.84	53.34	8
50	67.46	60.96	9
50	75.08	68.58	10
50	82.70	76.20	11
50	90.32	83.82	12
50	97.94	91.44	13
50	105.56	99.06	14
50	113.18	106.68	15
50	120.80	114.30	16

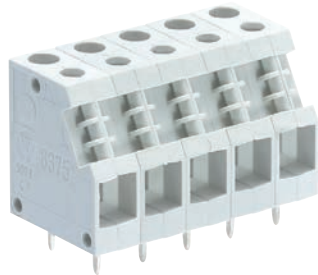
Part Number	Part Number	Part Number	Part Number
25.783.0253.0		25.793.0253.0	
25.783.0353.0		25.793.0353.0	
25.783.0453.0		25.793.0453.0	
25.783.0553.0		25.793.0553.0	
25.783.0653.0		25.793.0653.0	
25.783.0753.0		25.793.0753.0	
25.783.0853.0		25.793.0853.0	
25.783.0953.0		25.793.0953.0	
25.783.1053.0		25.793.1053.0	
25.783.1153.0		25.793.1153.0	
25.783.1253.0		25.793.1253.0	
25.783.1353.0		25.793.1353.0	
25.783.1453.0		25.793.1453.0	
25.783.1553.0		25.793.1553.0	
25.783.1653.0		25.793.1653.0	

Custom marking available
More poles available on request

PCB terminal series 8375, rising cage clamp system

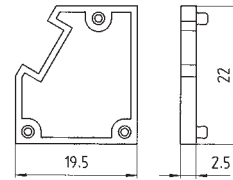
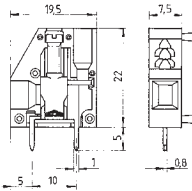
pitch 7.50 / 10.00 mm
4.0 mm²

IEC	500 V 6kV cat.3	30 A	0.14 - 4.0 mm ² (Stranded)
	1000 V 6kV cat.2		0.14 - 6.0 mm ² (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

Std. Pack	G	T	Pole
100	7.5	-	1
100	15.0	7.5	2
50	22.5	15.0	3
50	30.0	22.5	4
50	37.5	30.0	5
50	45.0	37.5	6
50	52.5	45.0	7
50	60.0	52.5	8
50	67.5	60.0	9
50	75.0	67.5	10
50	82.5	75.0	11
50	90.0	82.5	12

Part Number	Part Number	Part Number	Part Number
25.700.0153.0			
25.700.0253.0			
25.700.0353.0			
25.700.0453.0			
25.700.0553.0			
25.700.0653.0			
25.700.0753.0			
25.700.0853.0			
25.700.0953.0			
25.700.1053.0			
25.700.1153.0			
25.700.1253.0			

Pitch intermediate plate increase pitch 10.00 mm

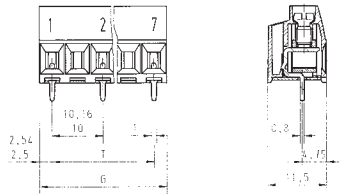
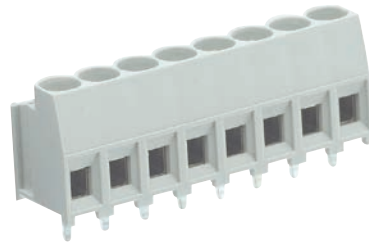
Std. Pack	G	T	Pole
50			1

Part Number	Part Number	Part Number	Part Number
		07.300.2753.0	

PCB terminal series 8191 / 8291, rising cage clamp system

**pitch 10.00 / 10.16 mm
2.5 mm²**

IEC	690 V 8kV cat.3 1000 V 8kV cat.2 1000 V 8kV cat.1	16 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 4.0 mm ² (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:



**series 8191 R
pitch 10.00 mm**

Std. Pack	G	T	Pole
500	15	10	2
250	25	20	3
200	35	30	4
100	45	40	5
50	55	50	6
50	65	60	7

unmarked with insulating plate	marked with insulating plate		
Part Number	Part Number	Part Number	Part Number
25.157.0253.0	25.157.1253.0		
25.157.0353.0	25.157.1353.0		
25.157.0453.0	25.157.1453.0		
25.157.0553.0	25.157.1553.0		
25.157.0653.0	25.157.1653.0		
25.157.0753.0	25.157.1753.0		

**series 8291 R
pitch 10.16 mm**

Std. Pack	G	T	Pole
500	15.24	10.16	2
250	25.40	20.32	3
200	35.56	30.48	4
100	45.72	40.64	5
50	55.88	50.80	6
50	66.04	60.96	7

unmarked with insulating plate	marked with insulating plate		
Part Number	Part Number	Part Number	Part Number
25.157.4253.0	25.157.5253.0		
25.157.4353.0	25.157.5353.0		
25.157.4453.0	25.157.5453.0		
25.157.4553.0	25.157.5553.0		
25.157.4653.0	25.157.5653.0		
25.157.4753.0	25.157.5753.0		

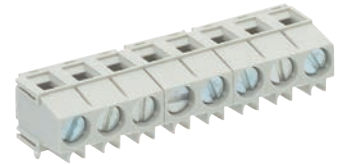
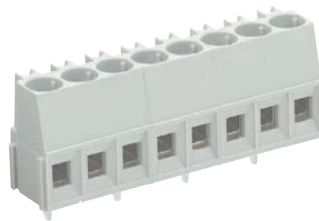
Custom marking available
More poles available on request

PCB terminal series 8191, rising cage clamp system

pitch 10.00 mm
2.5 mm²

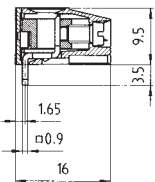
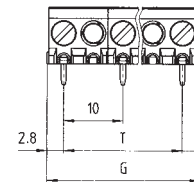
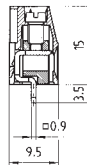
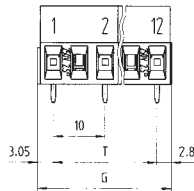
IEC	690 V 8kV cat.3	16 A	0.14 - 2.5 mm ² (Stranded)
	1000 V 8kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 8kV cat.1		
UL	300 V	20 A (Field)	22 -12 AWG
		30 A (Factory)	
CSA	300 V	25 A	22 -12 AWG

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:



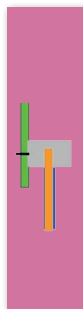
series 8191 / ZW pitch 10.00 mm

Std. Pack	G	T	Pole
100	15.85	10	2
50	25.85	20	3

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
25.169.0253.0	25.168.0253.0	25.169.4253.0	25.168.4253.0
25.169.0353.0	25.168.0353.0	25.169.4353.0	25.168.4353.0

Std. Pack	G	T	Pole
-----------	---	---	------

Part Number	Part Number	Part Number	Part Number
-------------	-------------	-------------	-------------



Pluggable PCB terminals.

Safe, compact and yet highly-functional.

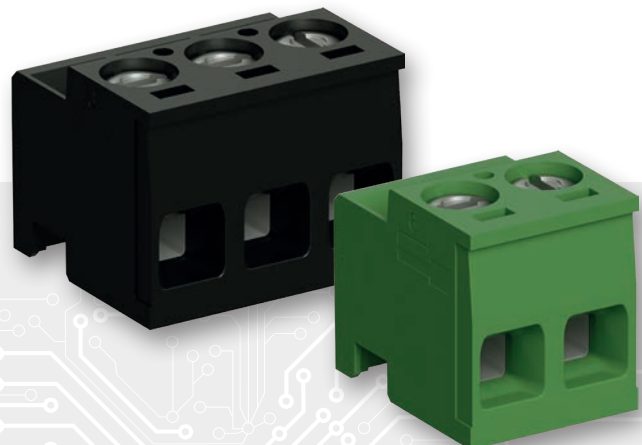
With pluggable printed circuit board terminals, the device becomes more service-friendly for conductor and device replacement. It is precisely in **building and HVAC technology** that the pluggable PCB terminals are used. Their compact design also offers you the benefit of pluggability.

Features:

- Cross-sections from **0.14 mm²** to **4 mm²**
- For currents up to **12 A** and voltages up to **250 V**
- Pitches 3.5 mm to 5.0 mm
- Compact and pluggable
- Codeable
- Plug connectors in THR material in various packaging types such as tape-on-reel, tray
- Customized printing
- Snap-in variants
- Female connectors **can be arranged in a pitch**

Benefits of the pluggability:

- Decentralized creation of assemblies
- Prevention of cabling mistakes
- Easy disassembly for service purposes
- Simplification of the conductor connection for tight spaces

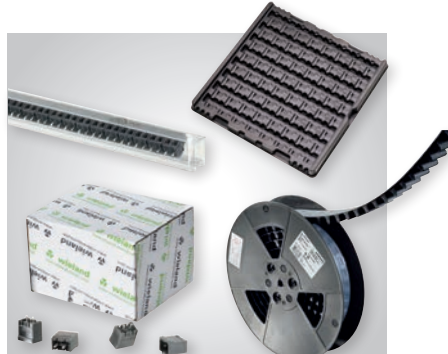


8142 Z PR
8142 S

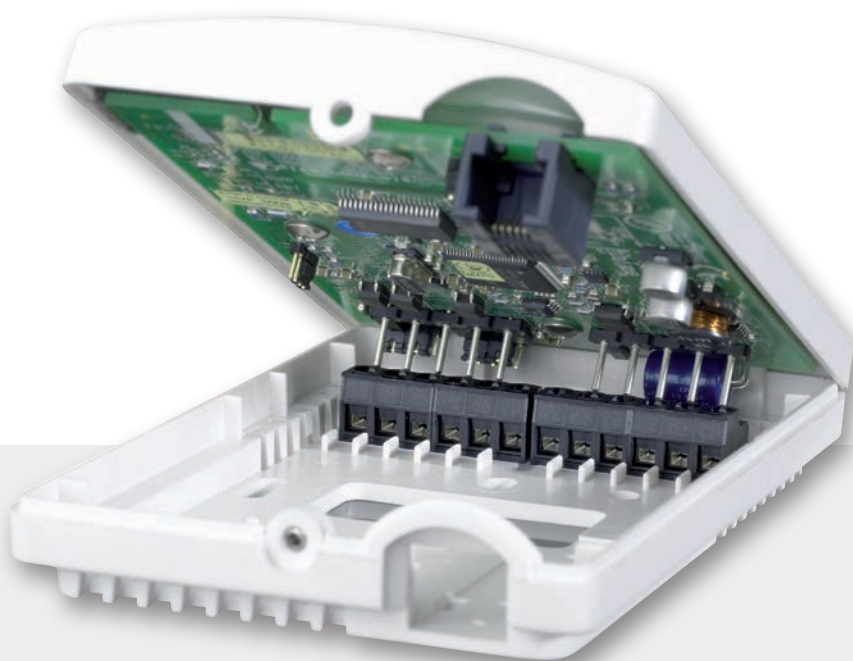


8142 S THR
8543
8543 S

Plug connectors without housing
for wave and reflow soldering process with tin or silver surface



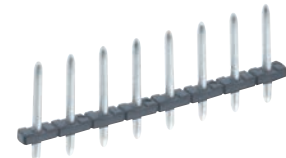
Well-packaged
Always kept safely with tape-on-reel, magazine, tray or in box packaging



Pluggable PCB terminal series 8142, screw connection

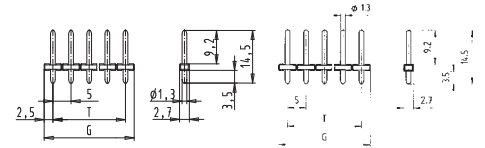
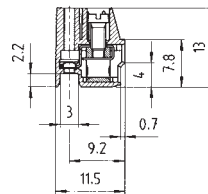
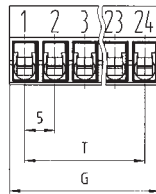
pitch 5.00 mm
2.5 mm²

IEC	200 V 4kV cat.3	8 A	0.14 - 2.5 mm ² (Stranded)
	250 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	15 A	22 -12 AWG
CSA	300 V	15 A	22 -12 AWG
Solder Pin			
Drill Hole			
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

Std. Pack	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

series 8142 pitch 5.00 mm

Std. Pack	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

			Black pin Ø 1.3 mm length 12.0 mm
Part Number	Part Number	Part Number	Part Number
			Z5.529.0225.0
			Z5.529.0325.0
			Z5.529.0425.0
			Z5.529.0525.0
			Z5.529.0625.0
			Z5.529.0725.0
			Z5.529.0825.0
			Z5.529.0925.0
			Z5.529.1025.0
			Z5.529.1125.0
			Z5.529.1225.0
			Z5.529.1325.0
			Z5.529.1425.0
			Z5.529.1525.0
			Z5.529.1625.0

Custom marking available
Other pin length on request
More poles available on request

Other pin headers see accessoires

Pluggable PCB terminal series 8142, rising cage clamp system

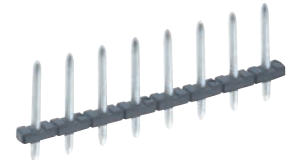
pitch 5.00 mm
2.5 mm²

IEC	250 V 2.5kV cat.3	3 A (40 °C) 3 A (70 °C)	0.14 - 2.5 mm ² (Stranded) 0.14 - 2.5 mm ² (Solid)
-----	-------------------	----------------------------	---

UL	300 V	3 A	20 -14 AWG
----	-------	-----	------------

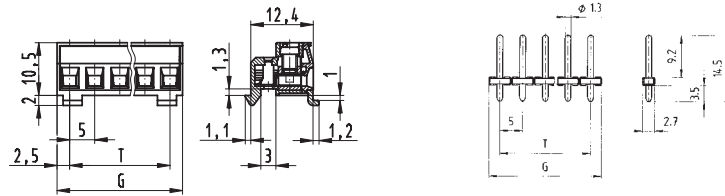
CSA	300 V	3 A	20 -14 AWG
-----	-------	-----	------------

Solder Pin	
Drill Hole	
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

Std. Pack	G	T	Pole
100	10	5	2
100	15	10	3
50	20	15	4

unmarked	marked	THR box	THR tape on reel
Part Number	Part Number	Part Number	Part Number
25.613.2256.1	25.613.0256.1	Z5.530.0204.0	Z5.530.0214.0
25.613.2356.1	25.613.0356.1	Z5.530.0304.0	Z5.530.0314.0
25.613.2456.1	25.613.0456.1	Z5.530.0404.0	Z5.530.0414.0
		Z5.530.0504.0	Z5.530.0514.0
		Z5.530.0604.0	Z5.530.0614.0
		Z5.530.0704.0	Z5.530.0714.0
		Z5.530.0804.0	Z5.530.0814.0
		Z5.530.0904.0	Z5.530.0914.0
		Z5.530.1004.0	Z5.530.1014.0
		Z5.530.1104.0	Z5.530.1114.0
		Z5.530.1204.0	Z5.530.1214.0

Std. Pack	G	T	Pole
-----------	---	---	------

Part Number	Part Number	Part Number	Part Number
-------------	-------------	-------------	-------------

Custom marking available
Other pin length on request
More poles available on request

Other pin headers see accessoires

Pluggable PCB terminal series 8142, screw connection

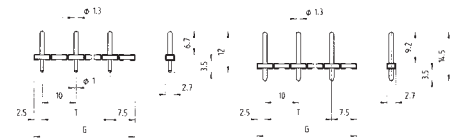
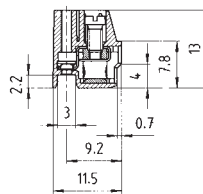
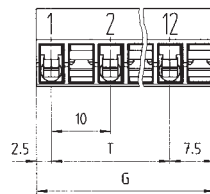
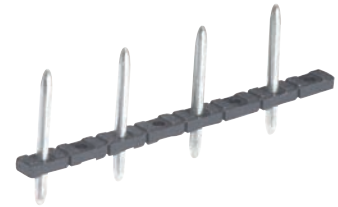
pitch 10.00 mm
2.5 mm²

IEC	500 V 8kV cat.3	8 A	0.14 - 2.5 mm ² (Stranded)
	800 V 8kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 8kV cat.1		
UL	300 V	15 A	22 -12 AWG
CSA	300 V	15 A	22 -12 AWG

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

See Technical Data section for screw material options

Approvals:



series 8142 pitch 10.00 mm

Std. Pack	G	T	Pole
50	20	10	2
50	30	20	3
50	40	30	4
50	50	40	5
50	60	50	6
50	70	60	7
50	80	70	8

unmarked	marked	Grey pin Ø 1.0 mm	Black pin Ø 1.3 mm
Part Number	Part Number	Part Number	Part Number
25.603.1253.0	25.601.1253.0	Z5.530.6225.0	Z5.530.8225.0
25.603.1353.0	25.601.1353.0	Z5.530.6325.0	Z5.530.8325.0
25.603.1453.0	25.601.1453.0	Z5.530.6425.0	Z5.530.8425.0
25.603.1553.0	25.601.1553.0	Z5.530.6525.0	Z5.530.8525.0
25.603.1653.0	25.601.1653.0	Z5.530.6625.0	Z5.530.8625.0
25.603.1753.0	25.601.1753.0	Z5.530.6725.0	Z5.530.8725.0
25.603.1853.0	25.601.1853.0	Z5.530.6825.0	Z5.530.8825.0

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

Custom marking available
Other pin length on request
More poles available on request

Other pin headers see accessoires

Pluggable PCB terminal series 8142 ZP, rising cage clamp system

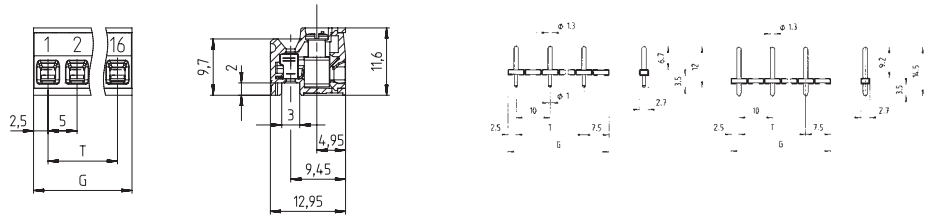
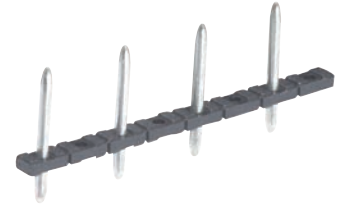
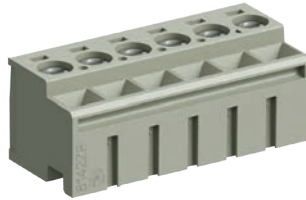
pitch 10.0 mm
2.5 mm²

IEC	600 V 4kV cat.2	16 A	0.14 - 2.5 mm ² (Stranded)
			0.14 - 2.5 mm ² (Solid)

Solder Pin	
Drill Hole	
Wire Strip Length	6 mm
Screw Size	M3

See Technical Data section for screw material options

Approvals:



series 8142 ZP pitch 5.0 mm

Std. Pack	G	T	Pole
100	20	10	2
100	30	20	3
50	40	30	4
50	50	40	5
50	60	50	6
50	70	60	7
50	80	70	8

Std. Pack	G	T	Pole

unmarked gray			Black pin Ø 1.3 mm
Part Number	Part Number	Part Number	Part Number
25.617.5255.0			Z5.530.8225.0
25.617.5355.0			Z5.530.8325.0
25.617.5455.0			Z5.530.8425.0
25.617.5555.0			Z5.530.8525.0
25.617.5655.0			Z5.530.8625.0
25.617.5755.0			Z5.530.8725.0
			Z5.530.8825.0

Part Number	Part Number	Part Number	Part Number

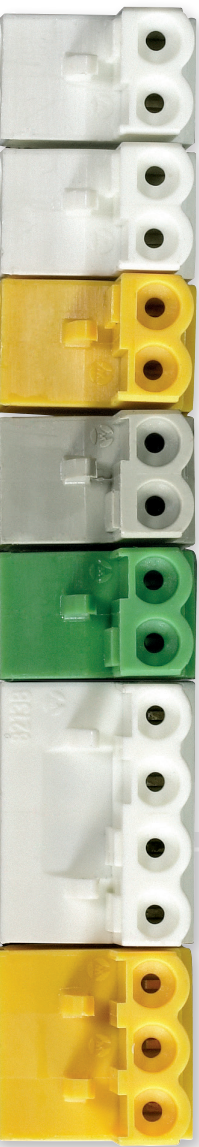
Custom marking available
Other pin length on request
More poles available on request

Other pin headers see accessoires

Printed circuit board connectors.

Safe, compact and yet highly-functional.

With PCB connectors, the device becomes more service-friendly for conductor and device replacement. The free selection of the connection technology allows solutions for a wide variety of applications. It is precisely in **building and HVAC technology** that the pluggable PCB terminals are used. Their compact design also offers you the benefit of pluggability.

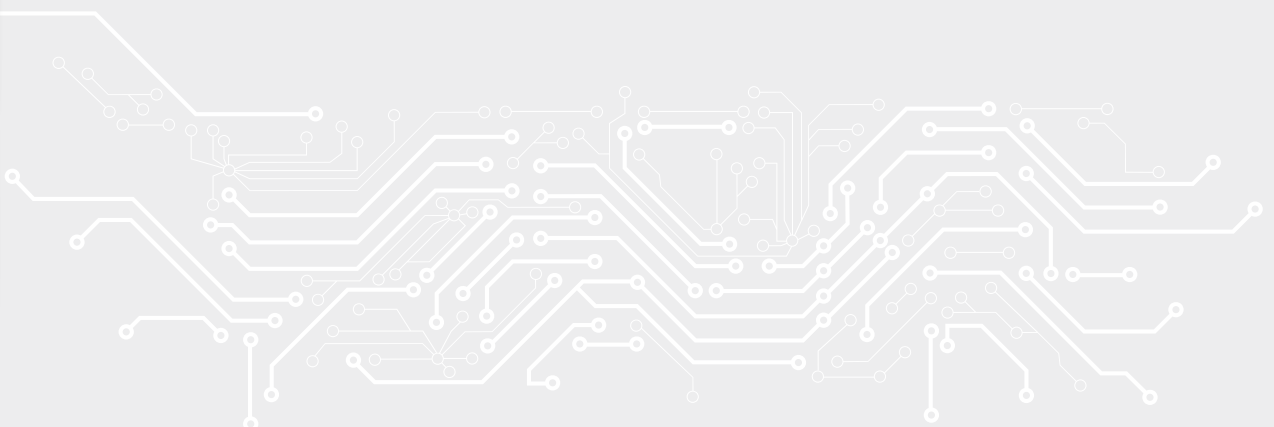


Features:

- Cross-sections from **0.14 mm²** to **4 mm²**
- For currents up to **12A** and voltages up to **1000V**
- With screw, tension spring or push-in connection
- Pitches 3.5 mm to 7.62 mm
- Compact and pluggable
- Codeable
- Plug connectors in THR material in various packaging types such as tape-on-reel, tray
- Customized printing
- Snap-in variants
- **No Flame** variants available
- Female connectors **can be arranged in a pitch**

Benefits of the pluggability:

- Decentralized creation of assemblies
- Prevention of cabling mistakes
- Easy disassembly for service purposes
- Simplification of the conductor connection for tight spaces





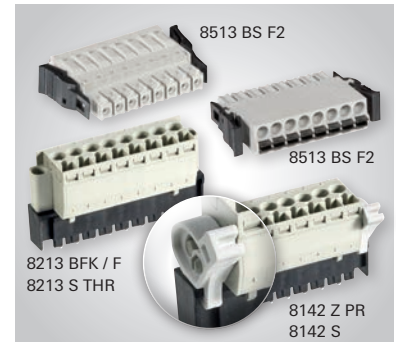
Space-saving

Optimized for the largest cross-sections with the smallest space requirements



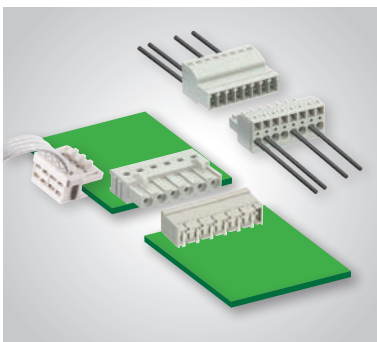
Multi-level plug connectors

Increasing of the number of clamp positions thanks to several levels



Innovative interlocking

Lock and release interlocking, screw flange and locking flange



Combination possibilities

Wire to board, wire to wire and board to board connections



Clear assignment

Color distinction with customer-specific printing



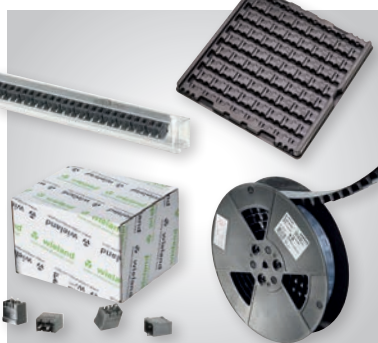
Mechanical coding, plug-gable or molded coded.

Special coding tab and profiles prevent plugging mistakes



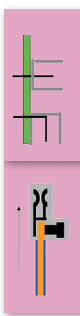
Specially fitted

E.g. with internal jumpering, jumpers, empty poles, extraction aid



Well-packaged

Always kept safely with tape-on-reel, magazine, tray or in box packaging

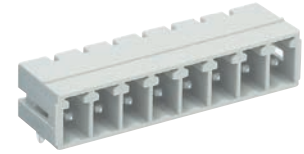
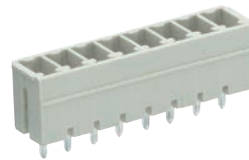


PCB headers series 8513 / 8813

pitch 3.50 / 3.81 mm

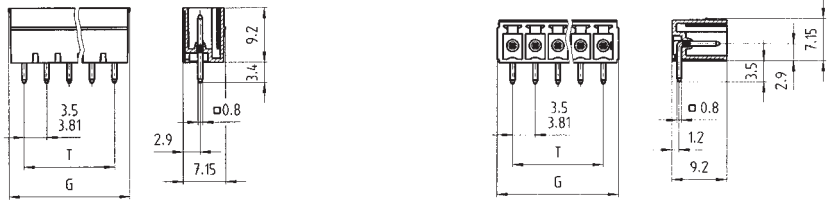
IEC	125 V 2.5kV cat.3 250 V 2.5kV cat.2 690 V 2.5kV cat.1	8 A
UL	300 V	8 A
CSA	300 V	5 A

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

Std. Pack	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	unmarked	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	

series 8813 S G/W pitch 3.81 mm

Std. Pack	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	unmarked	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	

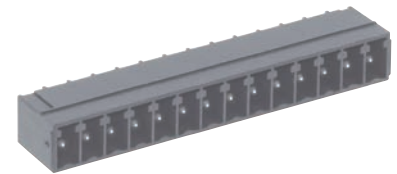
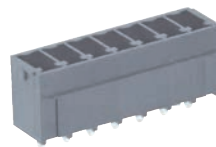
Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8513 / 8813, reflow process

pitch 3.50 / 3.81 mm

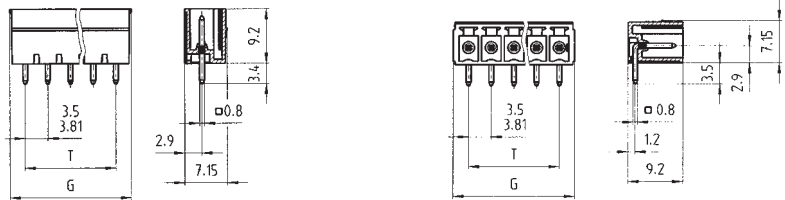
IEC	125 V 2.5kV	8 A
UL	300 V	8 A
CSA	300 V	5 A

Solder Pin 0.8 x 0.8 mm
Drill Hole 1.2 mm



See Technical Data section for screw material options

Approvals:



series 8513 S G/W THR OB pitch 3.50 mm

Std. Pack	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 box	unmarked tape on reel	unmarked box	unmarked tape on reel
Part Number	Part Number	Part Number	Part Number
25.646.0206.0	25.646.0216.0	25.647.0206.0	25.647.0216.0
25.646.0306.0	25.646.0316.0	25.647.0306.0	25.647.0316.0
25.646.0406.0	25.646.0416.0	25.647.0406.0	25.647.0416.0
25.646.0506.0	25.646.0516.0	25.647.0506.0	25.647.0516.0
25.646.0606.0	25.646.0616.0	25.647.0606.0	25.647.0616.0
25.646.0706.0	25.646.0716.0	25.647.0706.0	25.647.0716.0
25.646.0806.0	25.646.0816.0	25.647.0806.0	25.647.0816.0
25.646.0906.0	25.646.0916.0	25.647.0906.0	25.647.0916.0
25.646.1006.0	25.646.1016.0	25.647.1006.0	25.647.1016.0
25.646.1106.0	25.646.1116.0	25.647.1106.0	25.647.1116.0
25.646.1206.0	25.646.1216.0	25.647.1206.0	25.647.1216.0
25.646.1306.0	25.646.1316.0	25.647.1306.0	25.647.1316.0
25.646.1406.0	25.646.1416.0	25.647.1406.0	25.647.1416.0
25.646.1506.0	25.646.1516.0	25.647.1506.0	25.647.1516.0
25.646.1606.0	25.646.1616.0	25.647.1606.0	25.647.1616.0

series 8813 S G/W THR OB pitch 3.81 mm

Std. Pack	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 box	unmarked box
Part Number	Part Number
27.626.0206.0	27.627.0206.0
27.626.0306.0	27.627.0306.0
27.626.0406.0	27.627.0406.0
27.626.0506.0	27.627.0506.0
27.626.0606.0	27.627.0606.0
27.626.0706.0	27.627.0706.0
27.626.0806.0	27.627.0806.0
27.626.0906.0	27.627.0906.0
27.626.1006.0	27.627.1006.0
27.626.1106.0	27.627.1106.0
27.626.1206.0	27.627.1206.0
27.626.1306.0	27.627.1306.0
27.626.1406.0	27.627.1406.0
27.626.1506.0	27.627.1506.0
27.626.1606.0	27.627.1606.0

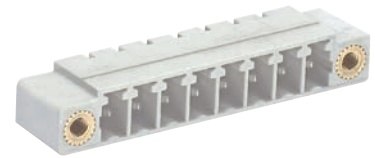
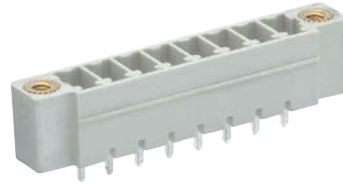
Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8513 / 8813

pitch 3.50 / 3.81 mm

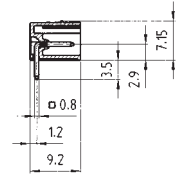
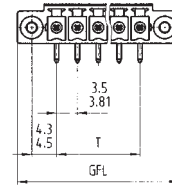
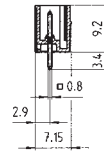
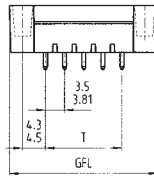
IEC	125 V 2.5kV cat.3	8 A
	250 V 2.5kV cat.2	
	690 V 2.5kV cat.1	
UL	300 V	8 A
CSA	300 V	5 A

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 GF/WF pitch 3.50 mm

Std. Pack	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	unmarked	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	

series 8813 S GF/WF pitch 3.81 mm

Std. Pack	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	unmarked	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	

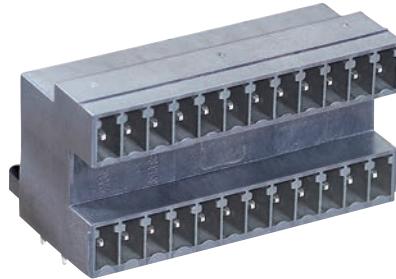
Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8513

pitch 3.50 / 3.81 mm

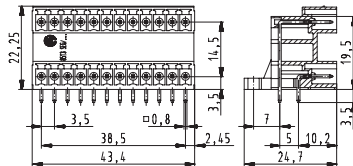
IEC	125 V 2.5kV cat.3	8 A
	250 V 2.5kV cat.2	
UL	300 V	8 A
CSA	300 V	5 A

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

Std. Pack	G	T	Pole
100	8.40	3.50	4
100	11.90	7.00	6
50	15.40	10.50	8
50	18.90	14.00	10
50	22.40	17.50	12
50	25.90	21.00	14
50	29.40	24.50	16
50	32.90	28.00	18
50	36.40	31.50	20
50	39.90	35.00	22
50	43.40	38.50	24
50	46.90	42.00	
50	50.40	45.50	
50	53.90	49.00	
50	57.40	52.50	

unmarked			
Part Number	Part Number	Part Number	Part Number
27.647.0253.1			
27.647.0353.1			
27.647.0453.1			
27.647.0553.1			
27.647.0653.1			
27.647.0753.1			
27.647.0853.1			
27.647.0953.1			
27.647.1053.1			
27.647.1153.1			
27.647.1253.1			

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

Custom marking available
 Other pin length on request
 More poles available on request

PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

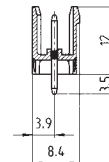
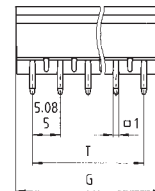
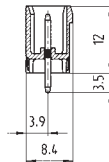
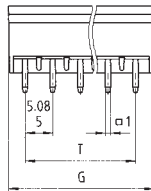
IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A
UL	300 V	15 A
CSA	300 V	15 A

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

Std. Pack	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	unmarked open version	Part Number
Part Number	Part Number	Part Number	Part Number
25.330.3253.0		99.202.9996.0	
25.330.3353.0		99.203.9996.0	
25.330.3453.0		99.204.9996.0	
25.330.3553.0		99.205.9996.0	
25.330.3653.0		99.206.9996.0	
25.330.3753.0		99.207.9996.0	
25.330.3853.0		99.208.9996.0	
25.330.3953.0		99.209.9996.0	
25.330.4053.0		99.210.9996.0	
25.330.4153.0		99.211.9996.0	
25.330.4253.0		99.212.9996.0	
25.330.4353.0		99.213.9996.0	
25.330.4453.0		99.214.9996.0	
25.330.4553.0		99.215.9996.0	
25.330.4653.0		99.216.9996.0	

series 8213 S G/GOF pitch 5.08 mm

Std. Pack	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	unmarked open version	Part Number
Part Number	Part Number	Part Number	Part Number
25.350.3253.0		99.232.9996.1	
25.350.3353.0		99.233.9996.1	
25.350.3453.0		99.234.9996.1	
25.350.3553.0		99.235.9996.1	
25.350.3653.0		99.236.9996.1	
25.350.3753.0		99.237.9996.1	
25.350.3853.0		99.238.9996.1	
25.350.3953.0		99.239.9996.1	
25.350.4053.0		99.240.9996.1	
25.350.4153.0		99.241.9996.1	
25.350.4253.0		99.242.9996.1	
25.350.4353.0		99.243.9996.1	
25.350.4453.0		99.244.9996.1	
25.350.4553.0		99.245.9996.1	
25.350.4653.0		99.246.9996.1	

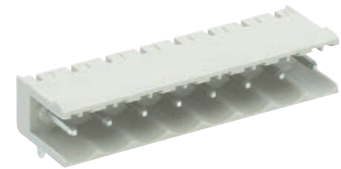
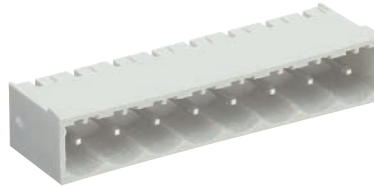
Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

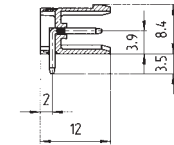
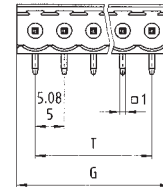
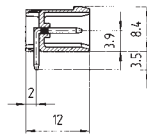
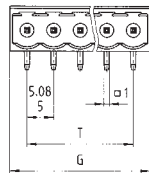
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

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

Std. Pack	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	unmarked open version	Part Number
Part Number	25.332.3253.0	Part Number	99.262.9996.0
Part Number	25.332.3353.0	Part Number	99.263.9996.0
Part Number	25.332.3453.0	Part Number	99.264.9996.0
Part Number	25.332.3553.0	Part Number	99.265.9996.0
Part Number	25.332.3653.0	Part Number	99.266.9996.0
Part Number	25.332.3753.0	Part Number	99.267.9996.0
Part Number	25.332.3853.0	Part Number	99.268.9996.0
Part Number	25.332.3953.0	Part Number	99.269.9996.0
Part Number	25.332.4053.0	Part Number	99.270.9996.0
Part Number	25.332.4153.0	Part Number	99.271.9996.0
Part Number	25.332.4253.0	Part Number	99.272.9996.0
Part Number	25.332.4353.0	Part Number	99.273.9996.0
Part Number	25.332.4453.0	Part Number	99.274.9996.0
Part Number	25.332.4553.0	Part Number	99.275.9996.0
Part Number	25.332.4653.0	Part Number	99.276.9996.0

series 8213 S W/WOF pitch 5.08 mm

Std. Pack	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	unmarked open version	Part Number
Part Number	25.352.3253.0	Part Number	99.202.9996.2
Part Number	25.352.3353.0	Part Number	99.203.9996.2
Part Number	25.352.3453.0	Part Number	99.204.9996.2
Part Number	25.352.3553.0	Part Number	99.205.9996.2
Part Number	25.352.3653.0	Part Number	99.206.9996.2
Part Number	25.352.3753.0	Part Number	99.207.9996.2
Part Number	25.352.3853.0	Part Number	99.208.9996.2
Part Number	25.352.3953.0	Part Number	99.209.9996.2
Part Number	25.352.4053.0	Part Number	99.210.9996.2
Part Number	25.352.4153.0	Part Number	99.211.9996.2
Part Number	25.352.4253.0	Part Number	99.212.9996.2
Part Number	25.352.4353.0	Part Number	99.213.9996.2
Part Number	25.352.4453.0	Part Number	99.214.9996.2
Part Number	25.352.4553.0	Part Number	99.215.9996.2
Part Number	25.352.4653.0	Part Number	99.216.9996.2

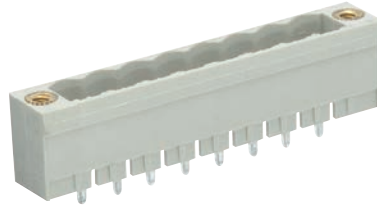
Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

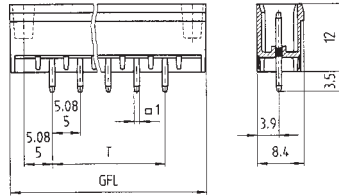
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

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 GF pitch 5.00 mm

Std. Pack	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

Std. Pack	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			

Custom marking available
Other pin length on request
More poles available on request

PCB header series 8113 / 8213

pitch 5.00 / 5.08 mm

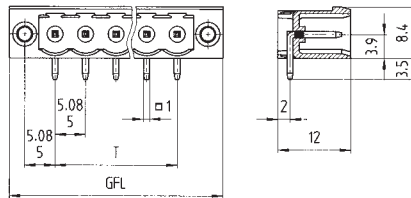
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

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

Std. Pack	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

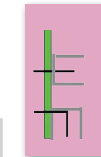
unmarked with screw flange	Part Number	Part Number	Part Number	Part Number
25.339.3253.0				
25.339.3353.0				
25.339.3453.0				
25.339.3553.0				
25.339.3653.0				
25.339.3753.0				
25.339.3853.0				
25.339.3953.0				
25.339.4053.0				
25.339.4153.0				
25.339.4253.0				
25.339.4353.0				
25.339.4453.0				
25.339.4553.0				
25.339.4653.0				

series 8213 S WF pitch 5.08 mm

Std. Pack	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
25.358.3253.0				
25.358.3353.0				
25.358.3453.0				
25.358.3553.0				
25.358.3653.0				
25.358.3753.0				
25.358.3853.0				
25.358.3953.0				
25.358.4053.0				
25.358.4153.0				
25.358.4253.0				
25.358.4353.0				
25.358.4453.0				
25.358.4553.0				
25.358.4653.0				

Custom marking available
Other pin length on request
More poles available on request



PCB headers series 8113 / 8213, reflow process

pitch 5.00 / 5.08 mm

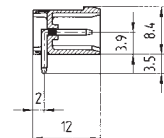
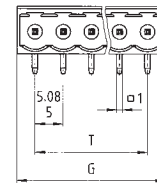
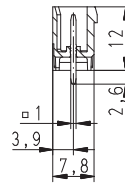
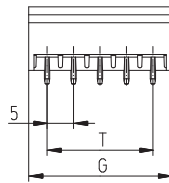
IEC	250 V 4kV cat.3	12 A
UL	300 V	12 A
CSA	300 V	12 A

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

Std. Pack	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 box	unmarked tape on reel
Part Number	Part Number	Part Number	Part Number
25.330.3206.0		25.332.3206.0	25.332.3216.0
25.330.3306.0		25.332.3306.0	25.332.3316.0
25.330.3406.0		25.332.3406.0	25.332.3416.0
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request
on request		on request	on request

series 8213 S G/W THR OB pitch 5.08 mm

Std. Pack	G	T	Pole
100	12.16	5.08	2
100	17.24	10.16	3
50	22.32	15.24	4
50	27.40	20.32	5
50	32.48	25.40	6
50	37.56	30.48	7
50	42.64	35.56	8
50	47.72	40.64	9
50	52.80	45.72	10
50	57.88	50.80	11
50	62.96	55.88	12
50	68.04	60.96	13
50	73.12	66.04	14
50	78.20	71.12	15
50	83.38	76.20	16

unmarked box	unmarked tape on reel	unmarked box	unmarked tape on reel
Part Number	Part Number	Part Number	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
Other pin length on request
More poles available on request

PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

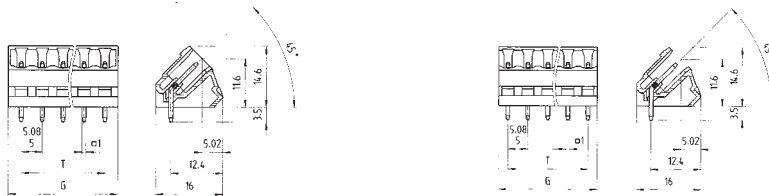
IEC	250 V 4kV cat.3	12 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

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

Std. Pack	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	unmarked open version	Part Number	marked open version	Part Number
25.394.3253.0		25.395.3253.0			
25.394.3353.0		25.395.3353.0			
25.394.3453.0		25.395.3453.0			
25.394.3553.0		25.395.3553.0			
25.394.3653.0		25.395.3653.0			
25.394.3753.0		25.395.3753.0			
25.394.3853.0		25.395.3853.0			
25.394.3953.0		25.395.3953.0			
25.394.4053.0		25.395.4053.0			
25.394.4153.0		25.395.4153.0			
25.394.4253.0		25.395.4253.0			
25.394.4353.0		25.395.4353.0			
25.394.4453.0		25.395.4453.0			
25.394.4553.0		25.395.4553.0			
25.394.4653.0		25.395.4653.0			

series 8213 S S/S1 pitch 5.08 mm

Std. Pack	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	unmarked open version	Part Number	marked with insulating plate with locating cams	Part Number
25.396.3253.0		25.397.3253.0			
25.396.3353.0		25.397.3353.0			
25.396.3453.0		25.397.3453.0			
25.396.3553.0		25.397.3553.0			
25.396.3653.0		25.397.3653.0			
25.396.3753.0		25.397.3753.0			
25.396.3853.0		25.397.3853.0			
25.396.3953.0		25.397.3953.0			
25.396.4053.0		25.397.4053.0			
25.396.4153.0		25.397.4153.0			
25.396.4253.0		25.397.4253.0			
25.396.4353.0		25.397.4353.0			
25.396.4453.0		25.397.4453.0			
25.396.4553.0		25.397.4553.0			
25.396.4653.0		25.397.4653.0			

Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

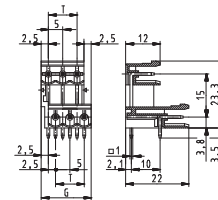
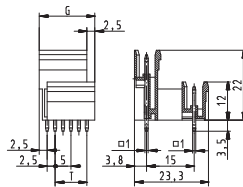
IEC	250 V 4kV cat.3	10 A
	400 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

Solder Pin 1.0 x 1.0 mm
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



series 8113 SE G/W pitch 5.00 mm

Std. Pack	G	T	Pole
100	5	12.5	2
100	10	17.5	3

unmarked		unmarked	
Part Number	Part Number	Part Number	Part Number
25.334.3253.0		25.336.3253.0	
25.334.3353.0		25.336.3353.0	

series 8213 SE G/W pitch 5.08 mm

Std. Pack	G	T	Pole
100	5.08	12.7	2
100	10.16	17.78	3

unmarked		unmarked	
Part Number	Part Number	Part Number	Part Number
25.354.3253.0		25.356.3253.0	
25.354.3353.0		25.356.3353.0	

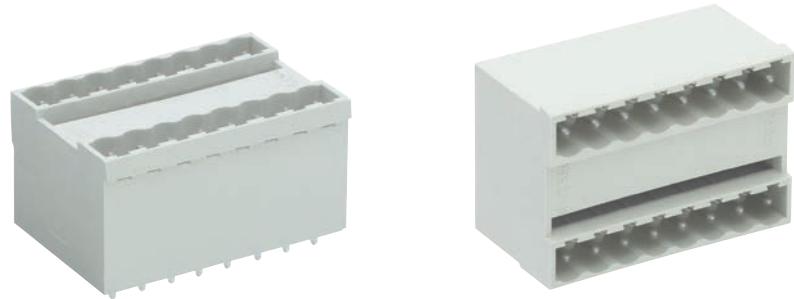
Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8113 / 8213

pitch 5.00 / 5.08 mm

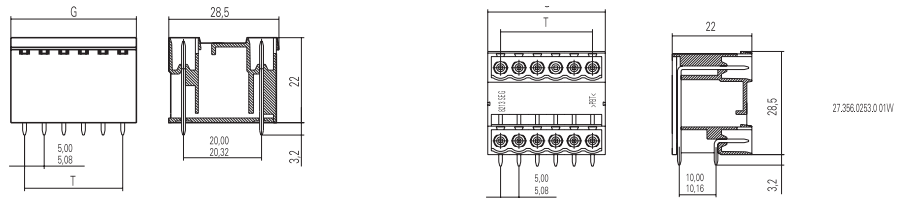
IEC	250 V	4kV/3 cat.3	10 A
	400 V	4kV/2 cat.3	
	400 V	4kV/2 cat.2	
UL	300 V		10 A
CSA	300 V		10 A

Solder Pin 1.0 x 1.0 mm
Drill Hole 1.4 mm



See Technical Data section for screw material options

Approvals:



series 8113 SEG G/W pitch 5.00 mm

Std. Pack	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	unmarked	Part Number
	27.334.0253.0		27.336.0253.0
	27.334.0353.0		27.336.0353.0
	27.334.0453.0		27.336.0453.0
	27.334.0553.0		27.336.0553.0
	27.334.0653.0		27.336.0653.0
	27.334.0753.0		27.336.0753.0
	27.334.0853.0		27.336.0853.0
	27.334.0953.0		27.336.0953.0
	27.334.1053.0		27.336.1053.0
	27.334.1153.0		27.336.1153.0
	27.334.1253.0		27.336.1253.0
	27.334.1353.0		27.336.1353.0
	27.334.1453.0		27.336.1453.0
	27.334.1553.0		27.336.1553.0
	27.334.1653.0		27.336.1653.0

series 8213 SEG G/W pitch 5.08 mm

Std. Pack	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	unmarked	Part Number
	27.354.0253.0		27.356.0253.0
	27.354.0353.0		27.356.0353.0
	27.354.0453.0		27.356.0453.0
	27.354.0553.0		27.356.0553.0
	27.354.0653.0		27.356.0653.0
	27.354.0753.0		27.356.0753.0
	27.354.0853.0		27.356.0853.0
	27.354.0953.0		27.356.0953.0
	27.354.1053.0		27.356.1053.0
	27.354.1153.0		27.356.1153.0
	27.354.1253.0		27.356.1253.0
	27.354.1353.0		27.356.1353.0
	27.354.1453.0		27.356.1453.0
	27.354.1553.0		27.356.1553.0
	27.354.1653.0		27.356.1653.0

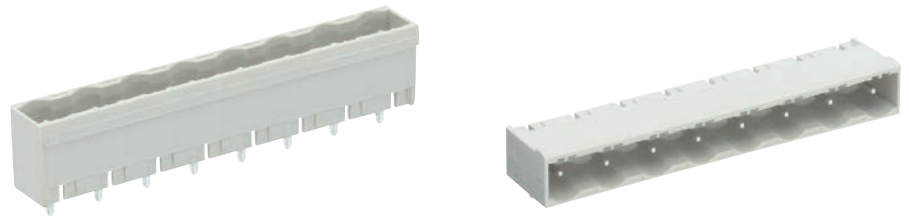
Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8313 / 8413

pitch 7.50 / 7.62 mm

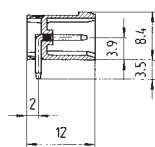
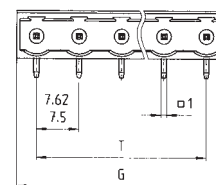
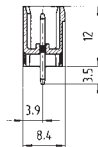
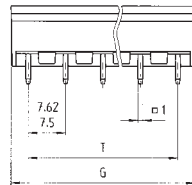
IEC	400 V 4kV cat.3	12 A
	690 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

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 G pitch 7.50 mm

Std. Pack	G	T	Pole
100	14.20	7.50	2
100	21.70	15.00	3
50	29.20	22.50	4
50	36.70	30.00	5
50	44.20	37.50	6
50	51.70	45.00	7
50	59.20	52.50	8
50	66.70	60.00	9
50	74.20	67.50	10
50	81.70	75.00	11
50	89.20	82.50	12

unmarked	Part Number	unmarked	Part Number
25.370.3253.0		25.372.3253.0	
25.370.3353.0		25.372.3353.0	
25.370.3453.0		25.372.3453.0	
25.370.3553.0		25.372.3553.0	
25.370.3653.0		25.372.3653.0	
25.370.3753.0		25.372.3753.0	
25.370.3853.0		25.372.3853.0	
25.370.3953.0		25.372.3953.0	
25.370.4053.0		25.372.4053.0	
25.370.4153.0		25.372.4153.0	
25.370.4253.0		25.372.4253.0	

series 8413 S G pitch 7.62 mm

Std. Pack	G	T	Pole
100	14.32	7.62	2
100	21.94	15.24	3
50	29.56	22.86	4
50	37.18	30.48	5
50	44.80	38.10	6
50	52.42	45.72	7
50	60.04	53.34	8
50	67.66	60.96	9
50	75.28	68.58	10
50	82.90	76.20	11
50	90.52	83.82	12

unmarked	Part Number	unmarked	Part Number
25.390.3253.0		25.392.3253.0	
25.390.3353.0		25.392.3353.0	
25.390.3453.0		25.392.3453.0	
25.390.3553.0		25.392.3553.0	
25.390.3653.0		25.392.3653.0	
25.390.3753.0		25.392.3753.0	
25.390.3853.0		25.392.3853.0	
25.390.3953.0		25.392.3953.0	
25.390.4053.0		25.392.4053.0	
25.390.4153.0		25.392.4153.0	
25.390.4253.0		25.392.4253.0	

Custom marking available
Other pin length on request
More poles available on request

PCB headers series 8313 / 8413

pitch 7.50 / 7.62 mm

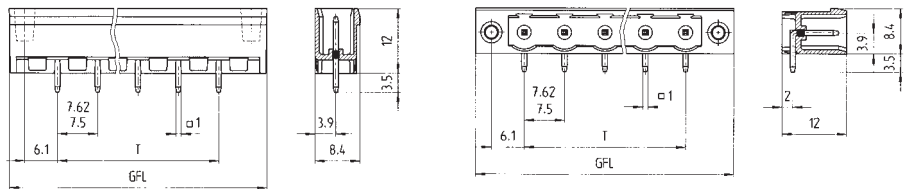
IEC	400 V 4kV cat.3	12 A
	690 V 4kV cat.2	
	1000 V 4kV cat.1	
UL	300 V	15 A
CSA	300 V	15 A

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 GF / S WF pitch 7.50 mm

Std. Pack	G	T	Pole
100	25.54	7.50	2
100	33.04	15.00	3
50	40.54	22.50	4
50	48.04	30.00	5
50	55.54	37.50	6
50	63.04	45.00	7
50	70.54	52.50	8
50	78.04	60.00	9
50	85.54	67.50	10
50	93.04	75.00	11
50	100.54	82.50	12

unmarked with screw flange	Part Number	unmarked with screw flange	Part Number
Part Number	25.374.6253.0	Part Number	25.374.2253.0
Part Number	25.374.6353.0	Part Number	25.374.2353.0
Part Number	25.374.6453.0	Part Number	25.374.2453.0
Part Number	25.374.6553.0	Part Number	25.374.2553.0
Part Number	25.374.6653.0	Part Number	25.374.2653.0
Part Number	25.374.6753.0	Part Number	25.374.2753.0
Part Number	25.374.6853.0	Part Number	25.374.2853.0
Part Number	25.374.6953.0	Part Number	25.374.2953.0
Part Number	25.374.7053.0	Part Number	25.374.3053.0
Part Number	25.374.7153.0	Part Number	25.374.3153.0
Part Number	25.374.7253.0	Part Number	25.374.3253.0

series 8413 S GF / S WF pitch 7.62 mm

Std. Pack	G	T	Pole
100	25.66	7.62	2
100	33.25	15.24	3
50	40.90	22.86	4
50	48.52	30.48	5
50	56.14	38.10	6
50	63.76	45.72	7
50	71.38	53.34	8
50	79.00	60.64	9
50	86.62	68.58	10
50	94.24	76.20	11
50	101.86	83.82	12

unmarked with screw flange	Part Number	unmarked with screw flange	Part Number
Part Number	25.398.6253.0	Part Number	25.398.2253.0
Part Number	25.398.6353.0	Part Number	25.398.2353.0
Part Number	25.398.6453.0	Part Number	25.398.2453.0
Part Number	25.398.6553.0	Part Number	25.398.2553.0
Part Number	25.398.6653.0	Part Number	25.398.2653.0
Part Number	25.398.6753.0	Part Number	25.398.2753.0
Part Number	25.398.6853.0	Part Number	25.398.2853.0
Part Number	25.398.6953.0	Part Number	25.398.2953.0
Part Number	25.398.7053.0	Part Number	25.398.3053.0
Part Number	25.398.7153.0	Part Number	25.398.3153.0
Part Number	25.398.7253.0	Part Number	25.398.3253.0

Custom marking available
Other pin length on request
More poles available on request

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

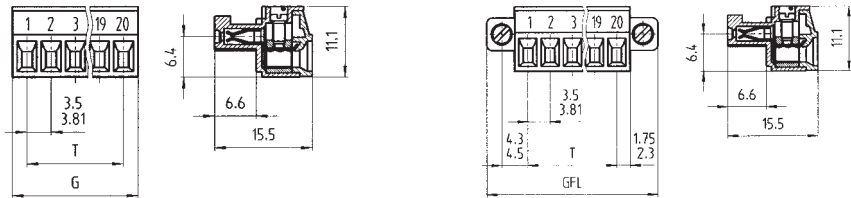
pitch 3.50 / 3.81 mm
1.5 mm²

IEC	125 V 2.5kV cat.3	8 A	0.14 - 1.5 mm ² (Stranded)
	250 V 2.5kV cat.2		0.14 - 1.5 mm ² (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:



series 8513 B pitch 3.50 mm

Std. Pack	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

Std. Pack	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

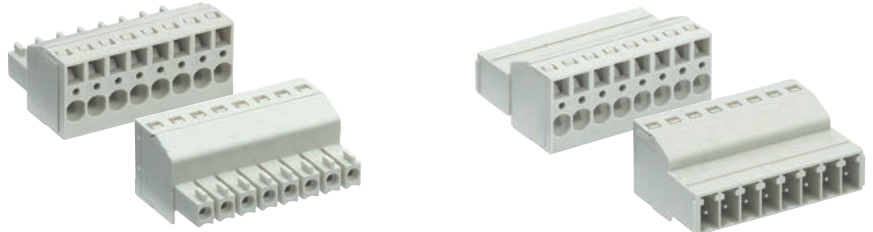
unmarked	marked	unmarked with screw flange	unmarked with screw flange
Part Number	Part Number	Part Number	Part Number
25.620.3253.0	25.620.0253.0	25.621.3253.0	25.621.0253.0
25.620.3353.0	25.620.0353.0	25.621.3353.0	25.621.0353.0
25.620.3453.0	25.620.0453.0	25.621.3453.0	25.621.0453.0
25.620.3553.0	25.620.0553.0	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

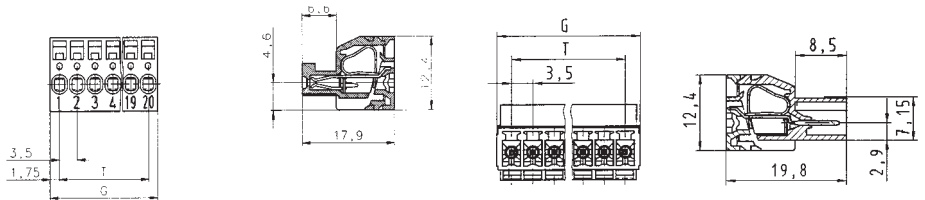
pitch 3.50 mm
1.5 mm²

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 ² (Stranded) 0.14 – 1.5 mm ² (Solid)
UL	300 V	8 A	30 - 16 AWG
CSA	300 V	5 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

Std. Pack	G	T	Pole
100	10.85	3.50	2
100	15.85	7.00	3
50	20.85	10.50	4
50	25.85	14.00	5
50	30.85	17.50	6
50	35.85	21.00	7
50	40.85	24.50	8
50	45.85	28.00	9
50	50.85	31.50	10
50	55.85	35.00	11
50	60.85	38.50	12
50	65.85	42.00	13
50	70.85	45.50	14
50	75.85	49.00	15
50	80.85	52.50	16

unmarked	marked	Part Number	Part Number
25.630.3253.0	25.630.0253.0		
25.630.3353.0	25.630.0353.0		
25.630.3453.0	25.630.0453.0		
25.630.3553.0	25.630.0553.0		
25.630.3653.0	25.630.0653.0		
25.630.3753.0	25.630.0753.0		
25.630.3853.0	25.630.0853.0		
25.630.3953.0	25.630.0953.0		
25.630.4053.0	25.630.1053.0		
25.630.4153.0	25.630.1153.0		
25.630.4253.0	25.630.1253.0		
25.630.4353.0	25.630.1353.0		
25.630.4453.0	25.630.1453.0		
25.630.4553.0	25.630.1553.0		
25.630.4653.0	25.630.1653.0		

series 8513 SUFK pitch 3.50 mm

Std. Pack	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

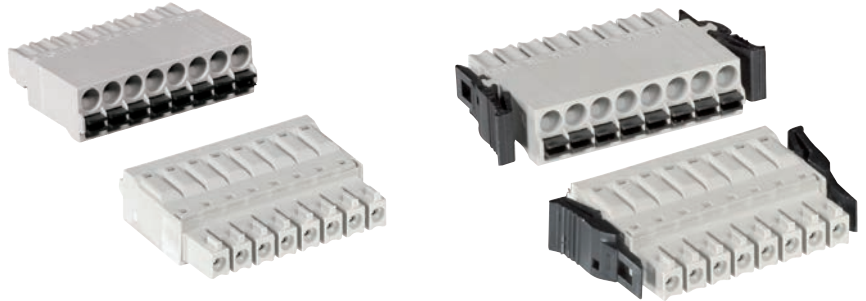
Part Number	Part Number	unmarked	marked
		25.642.3253.0	25.642.0253.0
		25.642.3353.0	25.642.0353.0
		25.642.3453.0	25.642.0453.0
		25.642.3553.0	25.642.0553.0
		25.642.3653.0	25.642.0653.0
		25.642.3753.0	25.642.0753.0
		25.642.3853.0	25.642.0853.0
		25.642.3953.0	25.642.0953.0
		25.642.4053.0	25.642.1053.0
		25.642.4153.0	25.642.1153.0
		25.642.4253.0	25.642.1253.0
		25.642.4353.0	25.642.1353.0
		25.642.4453.0	25.642.1453.0
		25.642.4553.0	25.642.1553.0
		25.642.4653.0	25.642.1653.0

Custom Marking Available
More poles available on request

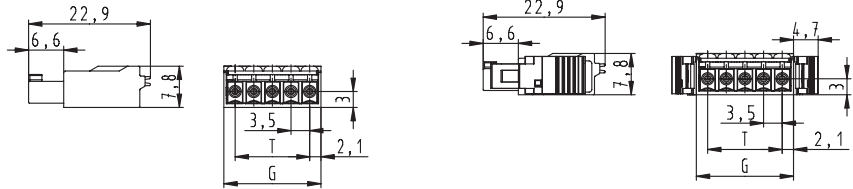
Pluggable PCB terminals series 8513, Push-In connection

pitch 3.50 mm
1.5 mm²

IEC	125 V 2.5kV cat.3 250 V 2.5kV cat.2	8 A	0,2 - 1,5 mm ² (Stranded) 0,2 - 1,5 mm ² (Solid)
UL	300 V	8 A	24 - 16 AWG
CSA	300 V	5 A	
Wire Strip Length	8 mm		



See Technical Data section
for screw material options



Approvals:



series 8513 BS / F2 OB pitch 3.50 mm

Std. Pack	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		With snap-in flange	
Part Number	Part Number	Part Number	Part Number
27.630.3253.0		27.631.3253.0	
27.630.3353.0		27.631.3353.0	
27.630.3453.0		27.631.3453.0	
27.630.3553.0		27.631.3553.0	
27.630.3653.0		27.631.3653.0	
27.630.3753.0		27.631.3753.0	
27.630.3853.0		27.631.3853.0	
27.630.3953.0		27.631.3953.0	
27.630.4153.0		27.631.4153.0	
27.630.4253.0		27.631.4253.0	
27.630.4353.0		27.631.4353.0	
27.630.4453.0		27.631.4453.0	
27.630.4553.0		27.631.4553.0	
27.630.4653.0		27.631.4653.0	

Std. Pack	G	T	Pole

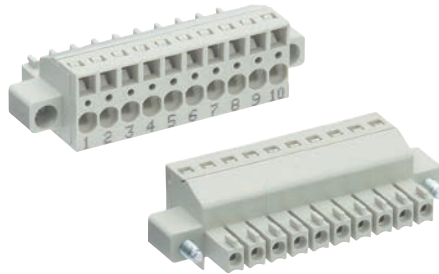
Part Number	Part Number	Part Number	Part Number

Custom Marking Available
More poles available on request

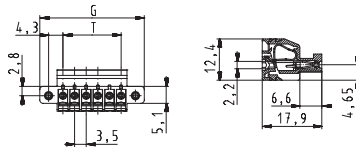
Pluggable PCB terminals series 8513, spring cage connection

pitch 3.50 mm
1.5 mm²

IEC	125 V 2.5kV cat.3	8 A	0.14 – 1.5 mm ² (Stranded)
	250 V 2.5kV cat.2		0.14 – 1.5 mm ² (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			8 mm



See Technical Data section for screw material options



Approvals:



series 8513 BFK OB pitch 3.50 mm

Std. Pack	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 with screw flange			
Part Number	Part Number	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			

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

Pluggable PCB terminals series 8513, rising cage clamp system

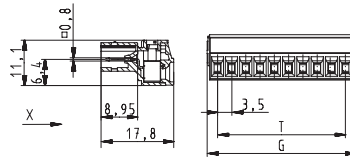
pitch 3.50 mm
1.5 mm²

IEC	125 V 2.5kV cat.3 250 V 2.5kV cat.2	8 A	0.14 - 1.5 mm ² (Stranded) 0.14 - 1.5 mm ² (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

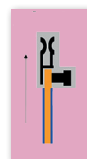
Std. Pack	G	T	Pole
100	8.40	3.50	2
100	11.90	7.00	3
50	15.40	10.50	4
50	18.90	14.00	5
50	22.40	17.50	6
50	25.90	21.00	7
50	29.40	24.50	8
50	32.90	28.00	9
50	36.40	31.50	10
50	39.90	35.00	11
50	43.40	38.50	12
50	46.90	42.00	13
50	50.40	45.50	14
50	53.90	49.00	15
50	57.40	52.50	16

unmarked			
Part Number	Part Number	Part Number	Part Number
25.648.3253.0			
25.648.3353.0			
25.648.3453.0			
25.648.3553.0			
25.648.3653.0			
25.648.3753.0			
25.648.3853.0			
25.648.3953.0			
25.648.4053.0			
25.648.4153.0			
25.648.4253.0			
25.648.4353.0			
25.648.4453.0			
25.648.4553.0			
25.648.4653.0			

Std. Pack	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

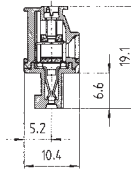
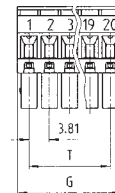
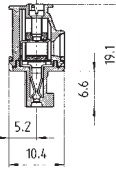
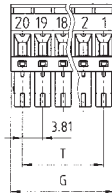
pitch 3.81 mm
1.5 mm²

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 ² (Stranded) 0.14 - 1.5 mm ² (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:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8813 B VR / VL pitch 3.81 mm

Std. Pack	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

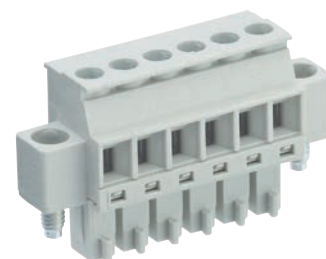
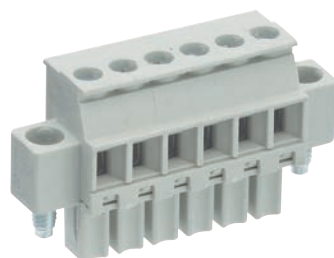
unmarked	marked	unmarked	marked
Part Number	Part Number	Part Number	Part Number
25.622.3253.0	25.622.0253.0	25.624.3253.0	25.624.0253.0
25.622.3353.0	25.622.0353.0	25.624.3353.0	25.624.0353.0
25.622.3453.0	25.622.0453.0	25.624.3453.0	25.624.0453.0
25.622.3553.0	25.622.0553.0	25.624.3553.0	25.624.0553.0
25.622.3653.0	25.622.0653.0	25.624.3653.0	25.624.0653.0
25.622.3753.0	25.622.0753.0	25.624.3753.0	25.624.0753.0
25.622.3853.0	25.622.0853.0	25.624.3853.0	25.624.0853.0
25.622.3953.0	25.622.0953.0	25.624.3953.0	25.624.0953.0
25.622.4053.0	25.622.1053.0	25.624.4053.0	25.624.1053.0
25.622.4153.0	25.622.1153.0	25.624.4153.0	25.624.1153.0
25.622.4253.0	25.622.1253.0	25.624.4253.0	25.624.1253.0
25.622.4353.0	25.622.1353.0	25.624.4353.0	25.624.1353.0
25.622.4453.0	25.622.1453.0	25.624.4453.0	25.624.1453.0
25.622.4553.0	25.622.1553.0	25.624.4553.0	25.624.1553.0
25.622.4653.0	25.622.1653.0	25.624.4653.0	25.624.1653.0

Custom Marking Available
More poles available on request

Pluggable PCB terminals series 8813, rising cage clamp system

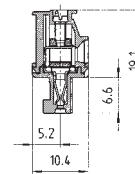
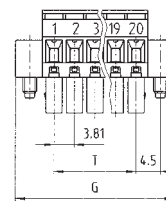
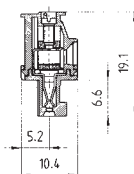
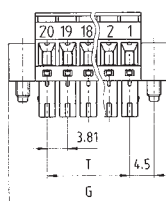
pitch 3.81 mm
1.5 mm²

IEC	125 V 2.5kV cat.3	8 A	0.14 - 1.5 mm ² (Stranded)
	250 V 2.5kV cat.2		0.14 - 1.5 mm ² (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:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8813 B VRF / VLF pitch 3.81 mm

Std. Pack	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 with screw flange	marked with screw flange	unmarked with screw flange	marked with screw flange
Part Number	Part Number	Part Number	Part Number
25.623.3253.0	25.623.0253.0	25.625.3253.0	25.625.0253.0
25.623.3353.0	25.623.0353.0	25.625.3353.0	25.625.0353.0
25.623.3453.0	25.623.0453.0	25.625.3453.0	25.625.0453.0
25.623.3553.0	25.623.0553.0	25.625.3553.0	25.625.0553.0
25.623.3653.0	25.623.0653.0	25.625.3653.0	25.625.0653.0
25.623.3753.0	25.623.0753.0	25.625.3753.0	25.625.0753.0
25.623.3853.0	25.623.0853.0	25.625.3853.0	25.625.0853.0
25.623.3953.0	25.623.0953.0	25.625.3953.0	25.625.0953.0
25.623.4053.0	25.623.1053.0	25.625.4053.0	25.625.1053.0
25.623.4153.0	25.623.1153.0	25.625.4153.0	25.625.1153.0
25.623.4253.0	25.623.1253.0	25.625.4253.0	25.625.1253.0
25.623.4353.0	25.623.1353.0	25.625.4353.0	25.625.1353.0
25.623.4453.0	25.623.1453.0	25.625.4453.0	25.625.1453.0
25.623.4553.0	25.623.1553.0	25.625.4553.0	25.625.1553.0
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 system

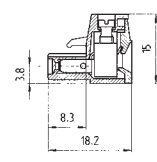
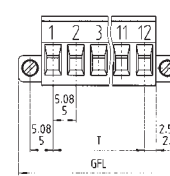
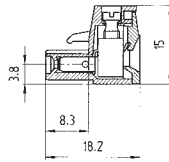
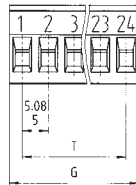
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 2.5 mm ² (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

Std. Pack	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
25.320.3253.0	25.320.0253.0	25.322.3253.0	25.322.0253.0
25.320.3353.0	25.320.0353.0	25.322.3353.0	25.322.0353.0
25.320.3453.0	25.320.0453.0	25.322.3453.0	25.322.0453.0
25.320.3553.0	25.320.0553.0	25.322.3553.0	25.322.0553.0
25.320.3653.0	25.320.0653.0	25.322.3653.0	25.322.0653.0
25.320.3753.0	25.320.0753.0	25.322.3753.0	25.322.0753.0
25.320.3853.0	25.320.0853.0	25.322.3853.0	25.322.0853.0
25.320.3953.0	25.320.0953.0	25.322.3953.0	25.322.0953.0
25.320.4053.0	25.320.1053.0	25.322.4053.0	25.322.1053.0
25.320.4153.0	25.320.1153.0	25.322.4153.0	25.322.1153.0
25.320.4253.0	25.320.1253.0	25.322.4253.0	25.322.1253.0
25.320.4353.0	25.320.1353.0	25.322.4353.0	25.322.1353.0
25.320.4453.0	25.320.1453.0	25.322.4453.0	25.322.1453.0
25.320.4553.0	25.320.1553.0	25.322.4553.0	25.322.1553.0
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

Std. Pack	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
25.340.3253.0	25.340.0253.0	25.323.3253.0	25.323.0253.0
25.340.3353.0	25.340.0353.0	25.323.3353.0	25.323.0353.0
25.340.3453.0	25.340.0453.0	25.323.3453.0	25.323.0453.0
25.340.3553.0	25.340.0553.0	25.323.3553.0	25.323.0553.0
25.340.3653.0	25.340.0653.0	25.323.3653.0	25.323.0653.0
25.340.3753.0	25.340.0753.0	25.323.3753.0	25.323.0753.0
25.340.3853.0	25.340.0853.0	25.323.3853.0	25.323.0853.0
25.340.3953.0	25.340.0953.0	25.323.3953.0	25.323.0953.0
25.340.4053.0	25.340.1053.0	25.323.4053.0	25.323.1053.0
25.340.4153.0	25.340.1153.0	25.323.4153.0	25.323.1153.0
25.340.4253.0	25.340.1253.0	25.323.4253.0	25.323.1253.0
25.340.4353.0	25.340.1353.0	25.323.4353.0	25.323.1353.0
25.340.4453.0	25.340.1453.0	25.323.4453.0	25.323.1453.0
25.340.4553.0	25.340.1553.0	25.323.4553.0	25.323.1553.0
25.340.4653.0	25.340.1653.0	25.323.4653.0	25.323.1653.0

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

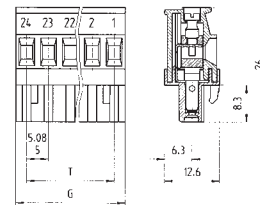
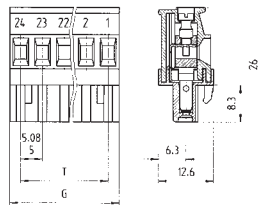
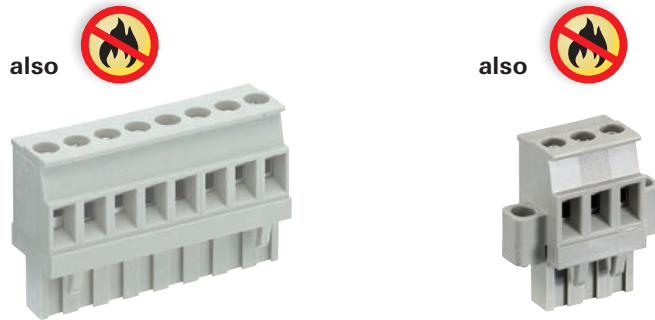
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 2.5 mm ² (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 pitch 5.00 mm

Std. Pack	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
25.325.3253.0	25.325.0253.0		
25.325.3353.0	25.325.0353.0		
25.325.3453.0	25.325.0453.0		
25.325.3553.0	25.325.0553.0		
25.325.3653.0	25.325.0653.0		
25.325.3753.0	25.325.0753.0		
25.325.3853.0	25.325.0853.0		
25.325.3953.0	25.325.0953.0		
25.325.4053.0	25.325.1053.0		
25.325.4153.0	25.325.1153.0		
25.325.4253.0	25.325.1253.0		
25.325.4353.0	25.325.1353.0		
25.325.4453.0	25.325.1453.0		
25.325.4553.0	25.325.1553.0		
25.325.4653.0	25.325.1653.0		

series 8213 B VR / F pitch 5.08 mm

Std. Pack	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	Part Number	Part Number	Part Number	Part Number
25.345.3253.0	25.345.0253.0	25.344.3253.0	25.344.0253.0				
25.345.3353.0	25.345.0353.0	25.344.3353.0	25.344.0353.0				
25.345.3453.0	25.345.0453.0	25.344.3453.0	25.344.0453.0				
25.345.3553.0	25.345.0553.0	25.344.3553.0	25.344.0553.0				
25.345.3653.0	25.345.0653.0	25.344.3653.0	25.344.0653.0				
25.345.3753.0	25.345.0753.0	25.344.3753.0	25.344.0753.0				
25.345.3853.0	25.345.0853.0	25.344.3853.0	25.344.0853.0				
25.345.3953.0	25.345.0953.0	25.344.3953.0	25.344.0953.0				
25.345.4053.0	25.345.1053.0	25.344.4053.0	25.344.1053.0				
25.345.4153.0	25.345.1153.0	25.344.4153.0	25.344.1153.0				
25.345.4253.0	25.345.1253.0	25.344.4253.0	25.344.1253.0				
25.345.4353.0	25.345.1353.0	25.344.4353.0	25.344.1353.0				
25.345.4453.0	25.345.1453.0	25.344.4453.0	25.344.1453.0				
25.345.4553.0	25.345.1553.0	25.344.4553.0	25.344.1553.0				
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

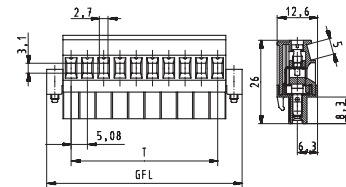
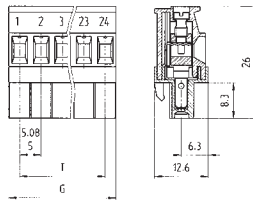
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 2.5 mm ² (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 pitch 5.00 mm

Std. Pack	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

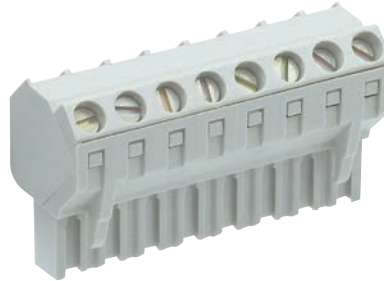
Std. Pack	G	T	Pole
100	10.16	5.08	2
100	15.24	10.16	3
50	20.32	15.24	4
50	25.40	20.32	5
50	30.48	25.40	6
50	35.56	30.48	7
50	40.64	35.56	8
50	45.72	40.64	9
50	50.80	45.72	10
50	55.88	50.80	11
50	60.96	55.88	12
50	66.04	60.96	13
50	71.12	66.04	14
50	76.20	71.12	15
50	81.28	76.20	16

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

Pluggable PCB terminals series 8213, rising cage clamp system

pitch 5.08 mm
2.5 mm²

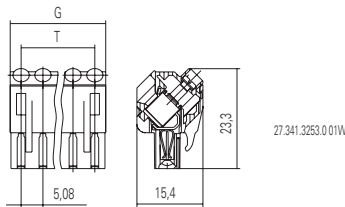
IEC	250 V 4kV cat.3	12 A	0.5 - 2.5 mm ² (Stranded)
	400 V 4kV cat.2		0.5 - 2.5 mm ² (Solid)
	400 V 4kV cat.1		
UL	300 V	10 A	28 - 12 AWG
CSA	300 V	10 A	28 - 12 AWG



Wire Strip Length 8.0 mm
Screw Size M2.5

See Technical Data section for screw material options

Approvals:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8213 B S
pitch 5.08 mm

Std. Pack	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

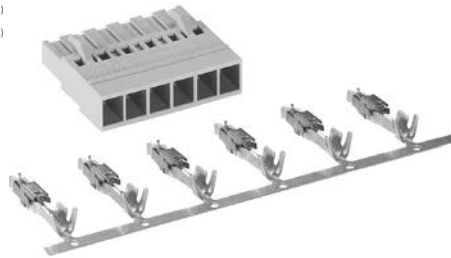
unmarked	Part Number	Part Number	Part Number
Part Number	Part Number	Part Number	Part Number
27.341.3253.0			
27.341.3353.0			
27.341.3453.0			
27.341.3553.0			
27.341.3653.0			
27.341.3753.0			
27.341.3853.0			
27.341.3953.0			
27.341.4053.0			
27.341.4153.0			
27.341.4253.0			
27.341.4353.0			
27.341.4453.0			
27.341.4553.0			
27.341.4653.0			

Custom Marking Available
More poles available on request

Pluggable PCB terminals series 8113, crimp connection

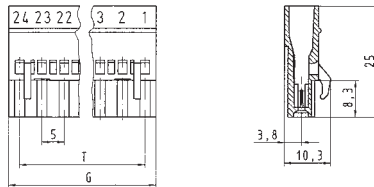
pitch 5.00 mm
2.5 mm²

IEC	250 V 4kV cat.3	10 A	0.5 - 1.0 mm ² (Stranded)
	400 V 4kV cat.2	12 A	1.5 - 2.5 mm ² (Stranded)
	1000 V 4kV cat.1		
UL	300 V	15 A	16 - 14 AWG
CSA	300 V	13 A	14 AWG
Wire Strip Length			4.0 mm



See Technical Data section for screw material options

Approvals:



series 8113 BK pitch 5.00 mm

Std. Pack	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

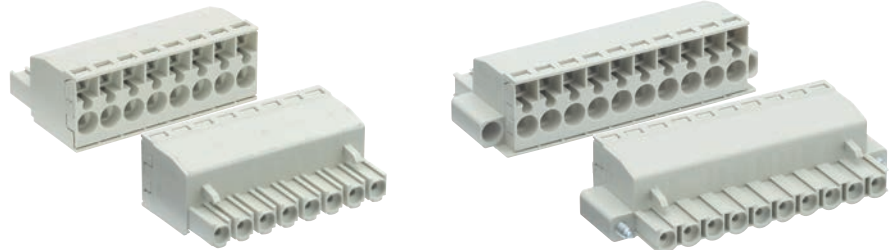
Std. Pack	Pole	
500	500	Single contacts
3500	3500	Strip
1		Crimp tool
1		Crimp die

crimp contacts 0.5 - 1.0 mm ²		crimp contacts 1.5 - 2.5 mm ²	
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

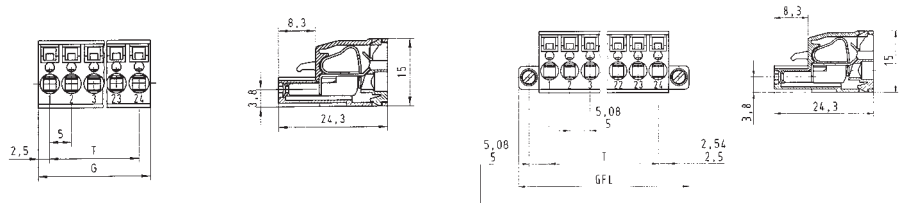
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	12 A	0.14 - 2.5 mm ² (Stranded)
	400 V 4kV cat.2		0.14 - 2.5 mm ² (Solid)
	1000 V 4kV cat.1		
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

Std. Pack	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

Std. Pack	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

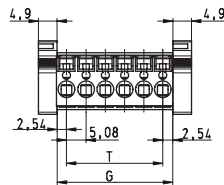
Custom Marking Available
More poles available on request

Pluggable PCB terminals series 8213, spring clamp system

pitch 5.08 mm
2.5 mm²

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:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8213 BFK F2 pitch 5.08 mm

Std. Pack	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

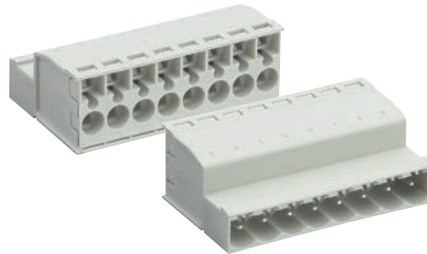
Part Number	Part Number	Part Number	Part Number
25.843.3253.0	25.843.0253.0		
25.843.3353.0	25.843.0353.0		
25.843.3453.0	25.843.0453.0		
25.843.3553.0	25.843.0553.0		
25.843.3653.0	25.843.0653.0		
25.843.3753.0	25.843.0753.0		
25.843.3853.0	25.843.0853.0		
25.843.3953.0	25.843.0953.0		
25.843.4053.0	25.843.1053.0		
25.843.4153.0	25.843.1153.0		
25.843.4253.0	25.843.1253.0		
25.843.4353.0	25.843.1353.0		
25.843.4453.0	25.843.1453.0		
25.843.4553.0	25.843.1553.0		
25.843.4653.0	25.843.1653.0		

Custom Marking Available
More poles available on request

Pluggable PCB terminals series 8213, spring clamp system

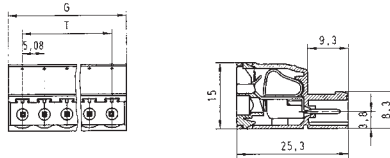
pitch 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3 400 V 4kV cat.2 1000 V 4kV cat.1	12A	0.14 - 2.5 mm ² (Stranded) 0.14 - 2.5 mm ² (Solid)
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:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8213 SUFK pitch 5.08 mm

Std. Pack	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	Part Number	Part Number
Part Number	Part Number	Part Number	Part Number
25.857.3253.0	25.857.0253.0		
25.857.3353.0	25.857.0353.0		
25.857.3453.0	25.857.0453.0		
25.857.3553.0	25.857.0553.0		
25.857.3653.0	25.857.0653.0		
25.857.3753.0	25.857.0753.0		
25.857.3853.0	25.857.0853.0		
25.857.3953.0	25.857.0953.0		
25.857.4053.0	25.857.1053.0		
25.857.4153.0	25.857.1153.0		
25.857.4253.0	25.857.1253.0		
25.857.4353.0	25.857.1353.0		
25.857.4453.0	25.857.1453.0		
25.857.4553.0	25.857.1553.0		
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

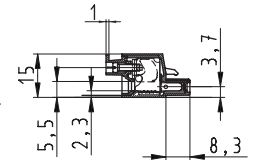
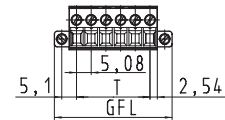
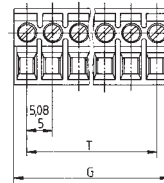
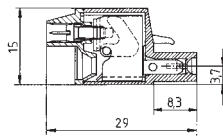
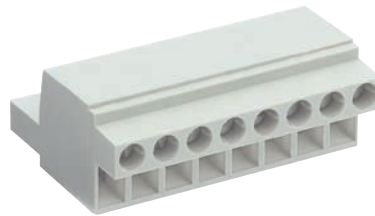
pitch 5.00 / 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	12 A	0.14 - 2.5 mm ² (Stranded)
	400 V 4kV cat.2		0.14 - 2.5 mm ² (Solid)
	1000 V 4kV cat.1		
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

Std. Pack	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

Std. Pack	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

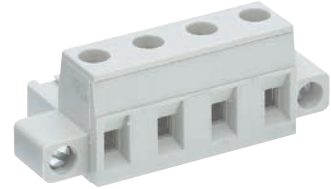
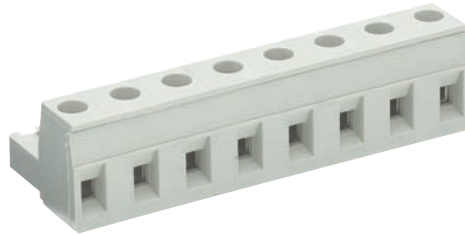
unmarked	marked	unmarked with screw flange	marked with screw flange
Part Number	Part Number	Part Number	Part Number
25.240.3253.0	25.240.0253.0	25.245.3253.0	25.245.0253.0
25.240.3353.0	25.240.0353.0	25.245.3353.0	25.245.0353.0
25.240.3453.0	25.240.0453.0	25.245.3453.0	25.245.0453.0
25.240.3553.0	25.240.0553.0	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

Custom Marking Available
More poles available on request

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

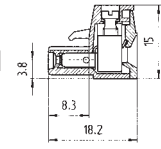
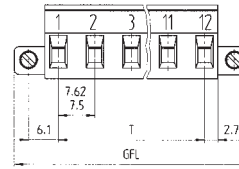
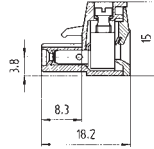
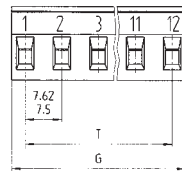
pitch 7.50 / 7.62 mm
2.5 mm²

IEC	400 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 2.5 mm ² (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

Std. Pack	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

Std. Pack	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

Pluggable PCB terminals series 8413, rising cage clamp system

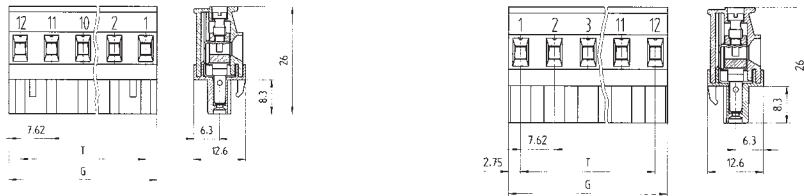
pitch 7.62 mm
2.5 mm²

IEC	400 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	12 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 2.5 mm ² (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:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8413 B VR / B VL pitch 7.62 mm

Std. Pack	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

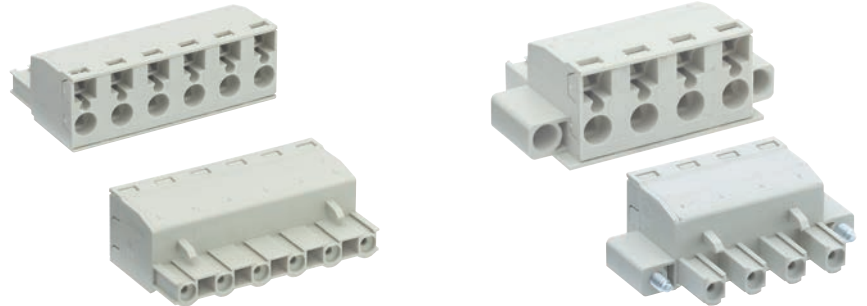
unmarked	marked	unmarked	marked
Part Number	Part Number	Part Number	Part Number
25.385.2253.0	25.385.0253.0	25.386.2253.0	25.386.0253.0
25.385.2353.0	25.385.0353.0	25.386.2353.0	25.386.0353.0
25.385.2453.0	25.385.0453.0	25.386.2453.0	25.386.0453.0
25.385.2553.0	25.385.0553.0	25.386.2553.0	25.386.0553.0
25.385.2653.0	25.385.0653.0	25.386.2653.0	25.386.0653.0
25.385.2753.0	25.385.0753.0	25.386.2753.0	25.386.0753.0
25.385.2853.0	25.385.0853.0	25.386.2853.0	25.386.0853.0
25.385.2953.0	25.385.0953.0	25.386.2953.0	25.386.0953.0
25.385.3053.0	25.385.1053.0	25.386.3053.0	25.386.1053.0
25.385.3153.0	25.385.1153.0	25.386.3153.0	25.386.1153.0
25.385.3253.0	25.385.1253.0	25.386.3253.0	25.386.1253.0

Custom Marking Available
More poles available on request

Pluggable PCB terminal series 8413, spring clamp system

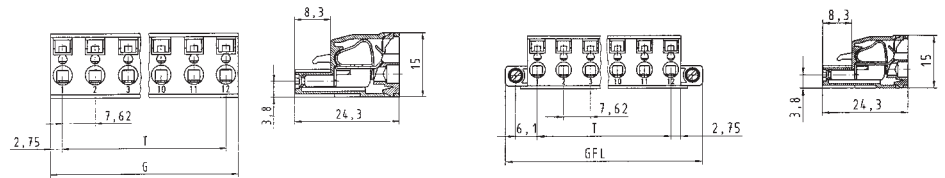
pitch 7.62 mm
2.5 mm²

IEC	400 V 6kV cat.3 690 V 6kV cat.2 1000 V 6kV cat.1	12 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 2.5 mm ² (Solid)
UL	300 V	12 A	22 - 12 AWG
CSA			
Wire Strip Length			11.0 mm



See Technical Data section for screw material options

Approvals:



Std. Pack	G	T	Pole

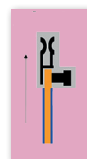
Part Number	Part Number	Part Number	Part Number

series 8413 BFK / BFK F pitch 7.62 mm

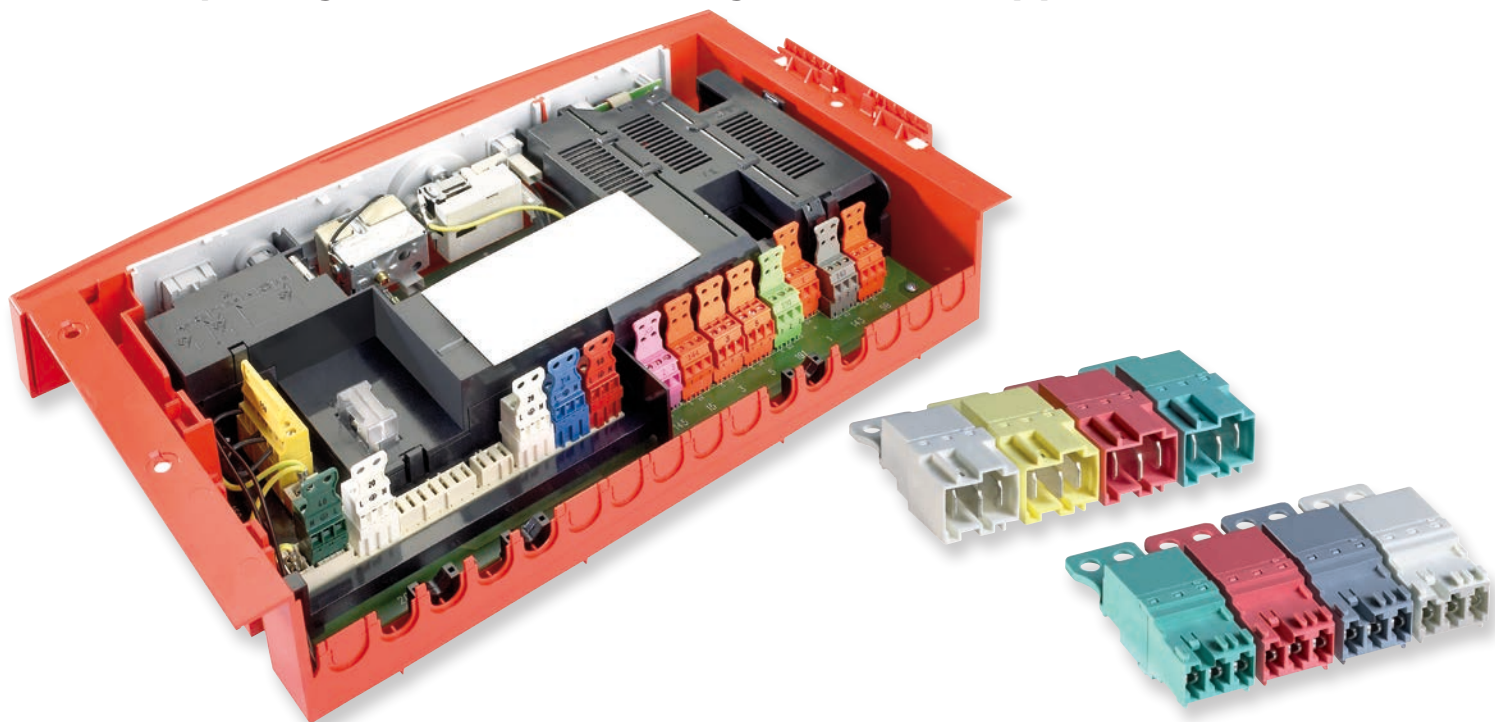
Std. Pack	G	T	Pole
100	13.12	7.62	2
100	20.74	15.24	3
50	28.36	22.86	4
50	35.98	30.48	5
50	43.60	38.10	6
50	51.22	45.72	7
50	58.84	53.34	8
50	66.46	60.96	9
50	74.08	68.58	10
50	81.70	76.20	11
50	89.32	83.82	12

unmarked	marked	unmarked	marked
Part Number	Part Number	Part Number	Part Number
25.880.3253.0	25.880.0253.0	25.881.3253.0	25.881.0253.0
25.880.3353.0	25.880.0353.0	25.881.3353.0	25.881.0353.0
25.880.3453.0	25.880.0453.0	25.881.3453.0	25.881.0453.0
25.880.3553.0	25.880.0553.0	25.881.3553.0	25.881.0553.0
25.880.3653.0	25.880.0653.0	25.881.3653.0	25.881.0653.0
25.880.3753.0	25.880.0753.0	25.881.3753.0	25.881.0753.0
25.880.3853.0	25.880.0853.0	25.881.3853.0	25.881.0853.0
25.880.3953.0	25.880.0953.0	25.881.3953.0	25.881.0953.0
25.880.4053.0	25.880.1053.0	25.881.4053.0	25.881.1053.0
25.880.4153.0	25.880.1153.0	25.881.4153.0	25.881.1153.0
25.880.4253.0	25.880.1253.0	25.881.4253.0	25.881.1253.0

Custom Marking Available
More poles available on request



Fully integrated in the heating and home appliance industries



With their connector systems and connectors such as **RAST 5**, the Wieland Group is among the leading suppliers in numerous sectors, especially the heating industry.

Electrical appliances in the home are subject to strict standards regarding fire protection and fire resistance. This "more stringent glow-wire test" is defined in the standard EN 60335-1 and is valid for new designs in this area. In order to fulfill these high fire-protection requirements, highly flame-resistant plastics must be used for certain products.

Wieland Electric addressed this problem early on and provides corresponding customer solutions in their product range. In particular the PC board connectors of the **RAST 5** series fulfill the requirements of the heating industry and are available in a variety of defined color and fixed codings.

PC board connectors in the RAST 5 system

The **RAST 5** system consists of two parts: pluggable parts on the wiring side as well as solderable parts, also called pin connectors, on the PC board side.

In addition to touch protection of the live side, this has the advantage of a variety of coding possibilities with latches and colors. Mismatching is virtually impossible.

Along with the coding cams and locking positions, the **RAST 5** system has a standardized connector face that is defined by the **RAST 5** standard.

The **RAST 5** system from Wieland Electric is distinguished on the one hand by the large number of physical coding possibilities via latches, and on the other hand, the color coding makes it easier for electricians to quickly find the correct connection position. The latches therefore provide additional mechanical protection against mismatching.

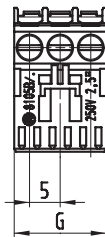
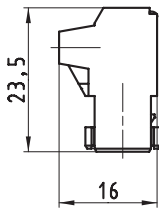
A total of 13 different colors offer a large number of combination possibilities. In the case of the **RAST 5** pin connectors (see page 11), the color coding is ensured by labels that correspond to EN 60335-1.





Connector with socket contact

8105 B



Order data				
Poles	G (mm)	Coding	Part No.	Std. Pack
2	10	C0	15.000.0257.2	100
2	10	C1	15.001.0257.2	100
2	10	C2	15.002.0257.2	100
3	15	C0	15.000.0357.2	100
3	15	C1	15.001.0357.2	100
3	15	C2	15.002.0357.2	100
4	20	C0	15.000.0457.2	50
4	20	C1	15.001.0457.2	50
4	20	C2	15.002.0457.2	50
5	25	C0	15.000.0557.2	50
5	25	C1	15.001.0557.2	50
5	25	C2	15.002.0557.2	50
6	30	C0	15.000.0657.2	50
6	30	C1	15.001.0657.2	50
6	30	C2	15.002.0657.2	50
7	35	C0	15.000.0757.2	50
7	35	C1	15.001.0757.2	50
7	35	C2	15.002.0757.2	50

Technical data	
Wire range	
solid min. - max.	0.20 – 4.0 mm ²
fine stranded min. – max.	0.14 – 2.5 mm ²
fine stranded (with ferrule) max.	2.5 mm ²
Dimensions	
Wire strip length	7.0 mm
Drill hole diameter	–
Materials	
Clamp	Brass
Screw	Steel
Soldering flag	–
Type of insulation material	
Material	PA
Inflammability class	V2 (V0 upon request)
Pollution degree / Overvoltage category	
3 / Cat III	250 V / 4 kV
2 / Cat II	400 V / 4 kV
1 / Cat I	1000 V / 4 kV



Printing to customer requirements

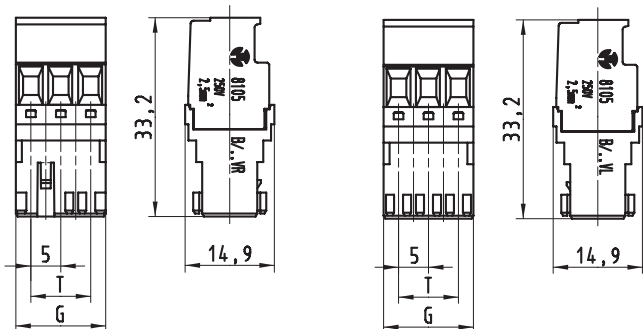
Color			
	RAL	Name	Color code
	1016	Sulfur yellow	15.xxx.xxxx.8
	1021	Rapeseed yellow	upon request
	2012	Salmon orange	15.xxx.xxxx.9
	3014	Dusky pink	15.xxx.xxxx.5
	4009	Pastel violet	15.xxx.xxxx.0
	5012	Light blue	15.xxx.xxxx.6
	6005	Moss green	upon request
	6027	Light green	15.xxx.xxxx.7
	7001	Sliver gray	upon request
	7015	Slate gray	15.xxx.xxxx.3
	7021	Black gray	15.xxx.xxxx.1
	8019	Gray brown	upon request
	9010	Pure white	15.xxx.xxxx.2

Approvals				
	UL US		VDE	
Usegroup	B	D		
Rated voltage	300 V	300 V	250 V	
Rated current	10 A	10 A	10 A	
Rated cross-section				
	solid	AWG 26-12	AWG 26-12	4.0 mm ²
	fine stranded	AWG 26-12	AWG 26-12	2.5 mm ²
Torque		0.5 – 0.7 Nm	0.5 – 0.7 Nm	0.5 – 0.7 Nm
Screw thread		M3	M3	M3



Connector with socket contact

8105 B VR / 8105 B VL



Technical data

Wire range	
solid min. - max.	0.20 – 4.0 mm ²
fine stranded min. – max.	0.14 – 2.5 mm ²
fine stranded (with ferrule) max.	2.5 mm ²
Dimensions	
Wire strip length	7.0 mm
Drill hole diameter	–
Materials	
Clamp	Brass
Screw	Steel
Soldering flag	–
Type of insulation material	
Material	PA
Inflammability class	V2 (V0 upon request)
Pollution degree / Overvoltage category	
3 / Cat III	250 V / 4 kV
2 / Cat II	400 V / 4 kV
1 / Cat I	1000 V / 4 kV

Order data

Poles	G (mm)	Coding	8105 B VR	8105 B VL	Std. Pack
			Part No.	Part No.	
2	10	C0	15.020.0257.2	15.010.0257.2	100
2	10	C1	15.021.0257.2	15.011.0257.2	100
2	10	C2	15.022.0257.2	15.012.0257.2	100
3	15	C0	15.020.0357.2	15.010.0357.2	100
3	15	C1	15.021.0357.2	15.011.0357.2	100
3	15	C2	15.022.0357.2	15.012.0357.2	100
4	20	C0	15.020.0457.2	15.010.0457.2	50
4	20	C1	15.021.0457.2	15.011.0457.2	50
4	20	C2	15.022.0457.2	15.012.0457.2	50
5	25	C0	15.020.0557.2	15.010.0557.2	50
5	25	C1	15.021.0557.2	15.011.0557.2	50
5	25	C2	15.022.0557.2	15.012.0557.2	50
6	30	C0	15.020.0657.2	15.010.0657.2	50
6	30	C1	15.021.0657.2	15.011.0657.2	50
6	30	C2	15.022.0657.2	15.012.0657.2	50
7	35	C0	15.020.0757.2	15.010.0757.2	50
7	35	C1	15.021.0757.2	15.011.0757.2	50
7	35	C2	15.022.0757.2	15.012.0757.2	50



Printing to customer requirements

Color

	RAL	Name	Color code
	1016	Sulfur yellow	15.xxx.xxxx.8
	1021	Rapeseed yellow	upon request
	2012	Salmon orange	15.xxx.xxxx.9
	3014	Dusky pink	15.xxx.xxxx.5
	4009	Pastel violet	15.xxx.xxxx.0
	5012	Light blue	15.xxx.xxxx.6
	6005	Moss green	upon request
	6027	Light green	15.xxx.xxxx.7
	7001	Silver gray	upon request
	7015	Slate gray	15.xxx.xxxx.3
	7021	Black gray	15.xxx.xxxx.1
	8019	Gray brown	upon request
	9010	Pure white	15.xxx.xxxx.2

Approvals

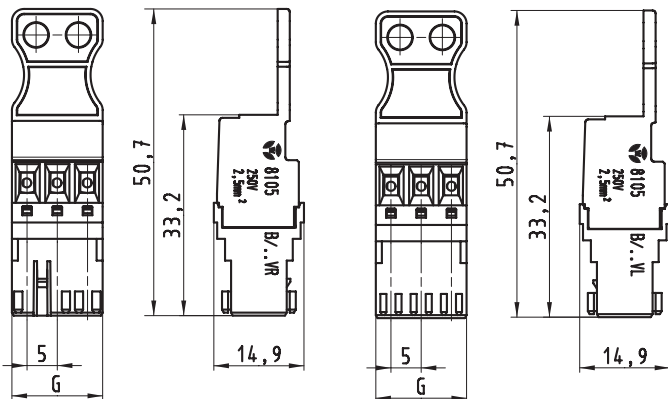
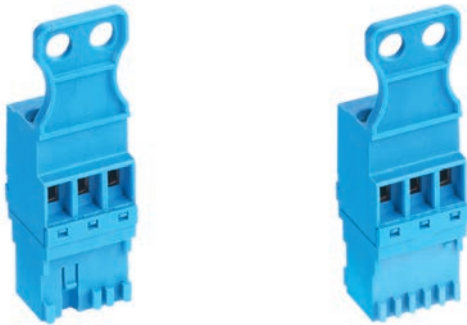
Usegroup	cULus		VDE	
	B	D		
Rated voltage	300 V	300 V	250 V	
Rated current	10 A	10 A	10 A	
Rated cross-section				
	solid	AWG 26-12	AWG 26-12	4.0 mm ²
	fine stranded	AWG 26-12	AWG 26-12	2.5 mm ²
Torque		0.5 – 0.7 Nm	0.5 – 0.7 Nm	0.5 – 0.7 Nm
Screw thread		M3	M3	M3

VR = Right interlock position / wire-side VL = Left interlock position / opposite the wire-side



Connector with socket contact

8105 B VRA / 8105 B VLA with extraction aid



Technical data	
Wire range	
solid min. - max.	0.20 – 4.0 mm ²
fine stranded min. - max.	0.14 – 2.5 mm ²
fine stranded (with ferrule) max.	2.5 mm ²
Dimensions	
Wire strip length	7.0 mm
Drill hole diameter	-
Materials	
Clamp	Brass
Screw	Steel
Soldering flag	-
Type of insulation material	
Material	PA
Inflammability class	V2 (V0 upon request)
Pollution degree / Overvoltage category	
3 / Cat III	250 V / 4 kV
2 / Cat II	400 V / 4 kV
1 / Cat I	1000 V / 4 kV

Order data					
Poles	G (mm)	Coding	8105 B VRA	8105 B VLA	Std. Pack
			Part No.	Part No.	
2	10	C0	15.040.0257.2	15.030.0257.2	50
	10	C1	15.041.0257.2	15.031.0257.2	50
	10	C2	15.042.0257.2	15.032.0257.2	50
3	15	C0	15.040.0357.2	15.030.0357.2	50
	15	C1	15.041.0357.2	15.031.0357.2	50
	15	C2	15.042.0357.2	15.032.0357.2	50
4	20	C0	15.040.0457.2	15.030.0457.2	50
	20	C1	15.041.0457.2	15.031.0457.2	50
	20	C2	15.042.0457.2	15.032.0457.2	50
5	25	C0	15.040.0557.2	15.030.0557.2	50
	25	C1	15.041.0557.2	15.031.0557.2	50
	25	C2	15.042.0557.2	15.032.0557.2	50
6	30	C0	15.040.0657.2	15.030.0657.2	50
	30	C1	15.041.0657.2	15.031.0657.2	50
	30	C2	15.042.0657.2	15.032.0657.2	50
7	35	C0	15.040.0757.2	15.030.0757.2	50
	35	C1	15.041.0757.2	15.031.0757.2	50
	35	C2	15.042.0757.2	15.032.0757.2	50



Printing to customer requirements

Color			
	RAL	Name	Color code
	1016	Sulfur yellow	15.xxx.xxxx.8
	1021	Rapeseed yellow	upon request
	2012	Salmon orange	15.xxx.xxxx.9
	3014	Dusky pink	15.xxx.xxxx.5
	4009	Pastel violet	15.xxx.xxxx.0
	5012	Light blue	15.xxx.xxxx.6
	6005	Moss green	upon request
	6027	Light green	15.xxx.xxxx.7
	7001	Silver gray	upon request
	7015	Slate gray	15.xxx.xxxx.3
	7021	Black gray	15.xxx.xxxx.1
	8019	Gray brown	upon request
	9010	Pure white	15.xxx.xxxx.2

Approvals

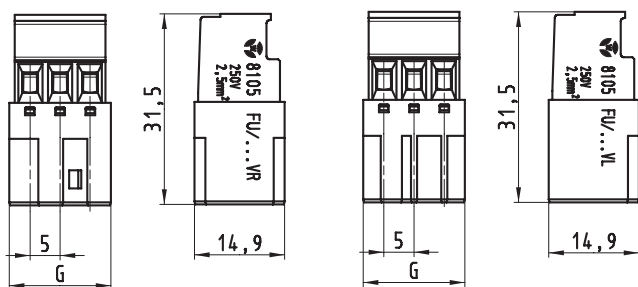
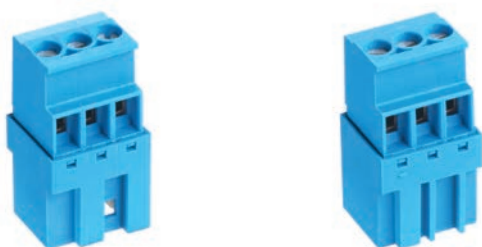
Usegroup	cULus		VDE
	B	D	
Rated voltage	300 V	300 V	250 V
Rated current	10 A	10 A	10 A
Rated cross-section			
	solid	AWG 26-12	AWG 26-12
	fine stranded	AWG 26-12	AWG 26-12
			4.0 mm ²
			2.5 mm ²
Torque	0.5 – 0.7 Nm	0.5 – 0.7 Nm	0.5 – 0.7 Nm
Screw thread	M3	M3	M3

RAST 5



Connector with tab contact

8105 FU VR / 8105 FU VL



Order data

Poles	G (mm)	Coding	8105 FU VR		8105 FU VL	
			Part No.	Part No.	Std. Pack	
2	11.8	C1	15.421.0257.2	15.411.0257.2	100	
2	11.8	C5	15.425.0257.2	15.415.0257.2	100	
2	11.8	C8	15.428.0257.2	15.418.0257.2	100	
2	11.8	C9	15.429.0257.2	15.419.0257.2	100	
2	11.8	C10	15.420.1257.2	15.410.1257.2	100	
2	11.8	C11	15.421.1257.2	15.411.1257.2	100	
2	11.8	C12	15.422.1257.2	15.412.1257.2	100	
2	11.8	C13	15.423.1257.2	15.413.1257.2	100	
3	16.8	C1	15.421.0357.2	15.411.0357.2	100	
3	16.8	C2	15.422.0357.2	15.412.0357.2	100	
3	16.8	C3	15.423.0357.2	15.413.0357.2	100	
3	16.8	C8	15.428.0357.2	15.418.0357.2	100	
3	16.8	C9	15.429.0357.2	15.419.0357.2	100	
3	16.8	C10	15.420.1357.2	15.410.1357.2	100	
3	16.8	C11	15.421.1357.2	15.411.1357.2	100	
3	16.8	C12	15.422.1357.2	15.412.1357.2	100	
3	16.8	C13	15.423.1357.2	15.413.1357.2	100	
3	16.8	C14	15.424.1357.2	15.414.1357.2	100	
3	16.8	C15	15.425.1357.2	15.415.1357.2	100	
4	21.8	C1	15.421.0457.2	15.411.0457.2	50	
4	21.8	C7	15.427.0457.2	15.417.0457.2	50	
4	21.8	C8	15.428.0457.2	15.418.0457.2	50	
4	21.8	C9	15.429.0457.2	15.419.0457.2	50	
4	21.8	C10	15.420.1457.2	15.410.1457.2	50	
4	21.8	C11	15.421.1457.2	15.411.1457.2	50	
4	21.8	C12	15.422.1457.2	15.412.1457.2	50	
4	21.8	C13	15.423.1457.2	15.413.1457.2	50	
5	26.8	C3	15.423.0557.2	15.413.0557.2	50	
6	31.8	C3	15.423.0657.2	15.413.0657.2	50	
7	36.8	C5	15.425.0757.2	15.415.0757.2	50	



Printing to customer requirements

Color

	RAL	Name	Color code
	1016	Sulfur yellow	15.xxx.xxxx.8
	1021	Rapeseed yellow	upon request
	2012	Salmon orange	15.xxx.xxxx.9
	3014	Dusky pink	15.xxx.xxxx.5
	4009	Pastel violet	15.xxx.xxxx.0
	5012	Light blue	15.xxx.xxxx.6
	6005	Moss green	upon request
	6027	Light green	15.xxx.xxxx.7
	7001	Silver gray	upon request
	7015	Slate gray	15.xxx.xxxx.3
	7021	Black gray	15.xxx.xxxx.1
	8019	Gray brown	upon request
	9010	Pure white	15.xxx.xxxx.2

Technical data

Wire range	
solid min. - max.	0.20 – 4.0 mm ²
fine stranded min. - max.	0.14 – 2.5 mm ²
fine stranded (with ferrule) max.	2.5 mm ²
Dimensions	
Wire strip length	7.0 mm
Drill hole diameter	-
Materials	
Clamp	Brass
Screw	Steel
Soldering flag	-
Type of insulation material	
Material	PA
Inflammability class	V2 (V0 upon request)
Pollution degree / Overvoltage category	
3 / Cat III	250 V / 4 kV
2 / Cat II	400 V / 4 kV
1 / Cat I	1000 V / 4 kV

Approvals

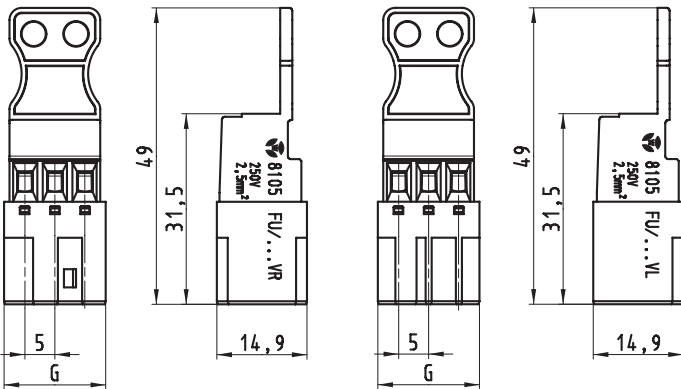
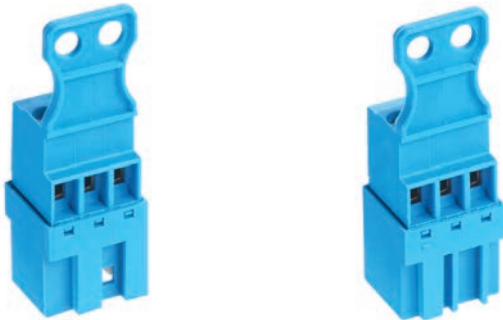
	UL		VDE
Usegroup	B	D	
Rated voltage	300 V	300 V	250 V
Rated current	10 A	10 A	10 A
Rated cross-section			
	solid	AWG 26-12	AWG 26-12
	fine stranded	AWG 26-12	AWG 26-12
			4.0 mm ²
			2.5 mm ²
Torque	0.5 – 0.7 Nm	0.5 – 0.7 Nm	0.5 – 0.7 Nm
Screw thread	M3	M3	M3

VR = Right interlock position / wire-side VL = Left interlock position / opposite the wire-side



Connector with tab contact

8105 FU VRA / 8105 FU VLA with extraction aid



Technical data	
Wire range	
solid min. - max.	0.20 – 4.0 mm ²
fine stranded min. - max.	0.14 – 2.5 mm ²
fine stranded (with ferrule) max.	2.5 mm ²
Dimensions	
Wire strip length	7.0 mm
Drill hole diameter	-
Materials	
Clamp	Brass
Screw	Steel
Soldering flag	-
Type of insulation material	
Material	PA
Inflammability class	V2 (V0 upon request)
Pollution degree / Overvoltage category	
3 / Cat III	250 V / 4 kV
2 / Cat II	400 V / 4 kV
1 / Cat I	1000 V / 4 kV

Order data					
Poles	G (mm)	Coding	8105 FU VRA	8105 FU VLA	Std. Pack
			Part No.	Part No.	
2	11.8	C1	15.441.0257.2	15.431.0257.2	50
2	11.8	C5	15.445.0257.2	15.435.0257.2	50
2	11.8	C8	15.448.0257.2	15.438.0257.2	50
2	11.8	C9	15.449.0257.2	15.439.0257.2	50
2	11.8	C10	15.440.1257.2	15.430.1257.2	50
2	11.8	C11	15.441.1257.2	15.431.1257.2	50
2	11.8	C12	15.442.1257.2	15.432.1257.2	50
2	11.8	C13	15.443.1257.2	15.433.1257.2	50
3	16.8	C1	15.441.0357.2	15.431.0357.2	50
3	16.8	C2	15.442.0357.2	15.432.0357.2	50
3	16.8	C3	15.443.0357.2	15.433.0357.2	50
3	16.8	C8	15.448.0357.2	15.438.0357.2	50
3	16.8	C9	15.449.0357.2	15.439.0357.2	50
3	16.8	C10	15.440.1357.2	15.430.1357.2	50
3	16.8	C11	15.441.1357.2	15.431.1357.2	50
3	16.8	C12	15.442.1357.2	15.432.1357.2	50
3	16.8	C13	15.443.1357.2	15.433.1357.2	50
3	16.8	C14	15.444.1357.2	15.434.1357.2	50
3	16.8	C15	15.445.1357.2	15.435.1357.2	50
4	21.8	C1	15.441.0457.2	15.431.0457.2	50
4	21.8	C7	15.447.0457.2	15.437.0457.2	50
4	21.8	C8	15.448.0457.2	15.438.0457.2	50
4	21.8	C9	15.449.0457.2	15.439.0457.2	50
4	21.8	C10	15.440.1457.2	15.430.1457.2	50
4	21.8	C11	15.441.1457.2	15.431.1457.2	50
4	21.8	C12	15.442.1457.2	15.432.1457.2	50
4	21.8	C13	15.443.1457.2	15.433.1457.2	50
5	26.8	C3	15.443.0557.2	15.433.0557.2	50
6	31.8	C3	15.443.0657.2	15.433.0657.2	50
7	36.8	C5	15.445.0757.2	15.435.0757.2	50



Printing to customer requirements

Color			
	RAL	Name	Color code
	1016	Sulfur yellow	15.xxx.xxxx.8
	1021	Rapeseed yellow	upon request
	2012	Salmon orange	15.xxx.xxxx.9
	3014	Dusky pink	15.xxx.xxxx.5
	4009	Pastel violet	15.xxx.xxxx.0
	5012	Light blue	15.xxx.xxxx.6
	6005	Moss green	upon request
	6027	Light green	15.xxx.xxxx.7
	7001	Silver gray	upon request
	7015	Slate gray	15.xxx.xxxx.3
	7021	Black gray	15.xxx.xxxx.1
	8019	Gray brown	upon request
	9010	Pure white	15.xxx.xxxx.2

Approvals

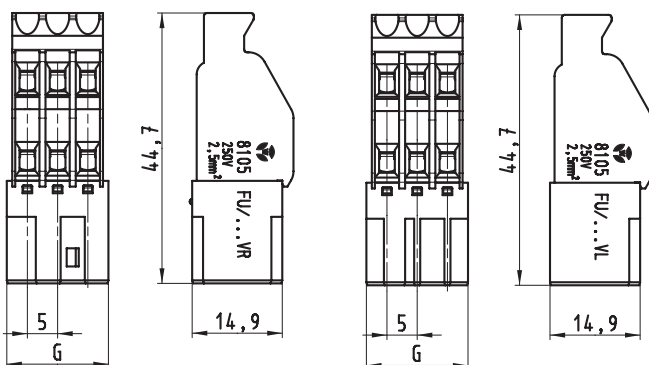
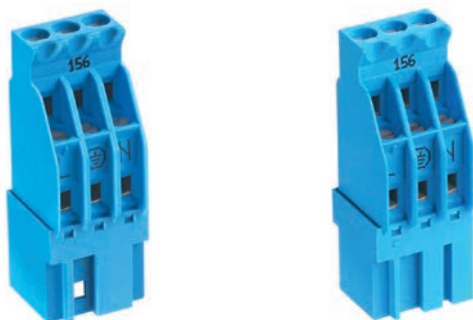
Usegroup	cRU _{us}		VDE
	B	D	
Rated voltage	300 V	300 V	250 V
Rated current	10 A	10 A	10 A
Rated cross-section			
	solid	AWG 26-12	AWG 26-12
	fine stranded	AWG 26-12	AWG 26-12
			4.0 mm ²
			2.5 mm ²
Torque	0.5 – 0.7 Nm	0.5 – 0.7 Nm	0.5 – 0.7 Nm
Screw thread	M3	M3	M3

RAST 5



Connector with tab contact and dual connection

8105 FUE VR / 8105 FUE VL



Order data

Poles	G (mm)	Coding	8105 FUE VR	8105 FUE VL	Std. Pack
			Part No.	Part No.	
2	11.8	C1	15.521.0257.1	15.511.0257.1	100
2	11.8	C5	15.525.0257.1	15.515.0257.1	100
2	11.8	C8	15.528.0257.1	15.518.0257.1	100
2	11.8	C9	15.529.0257.1	15.519.0257.1	100
2	11.8	C10	15.520.1257.1	15.510.1257.1	100
2	11.8	C11	15.521.1257.1	15.511.1257.1	100
2	11.8	C12	15.522.1257.1	15.512.1257.1	100
2	11.8	C13	15.523.1257.1	15.513.1257.1	100
3	16.8	C1	15.521.0357.1	15.511.0357.1	100
3	16.8	C2	15.522.0357.1	15.512.0357.1	100
3	16.8	C3	15.523.0357.1	15.513.0357.1	100
3	16.8	C8	15.528.0357.1	15.518.0357.1	100
3	16.8	C9	15.529.0357.1	15.519.0357.1	100
3	16.8	C10	15.520.1357.1	15.510.1357.1	100
3	16.8	C11	15.521.1357.1	15.511.1357.1	100
3	16.8	C12	15.522.1357.1	15.512.1357.1	100
3	16.8	C13	15.523.1357.1	15.513.1357.1	100
3	16.8	C14	15.524.1357.1	15.514.1357.1	100
3	16.8	C15	15.525.1357.1	15.515.1357.1	100
4	21.8	C1	15.521.0457.1	15.511.0457.1	50
4	21.8	C7	15.527.0457.1	15.517.0457.1	50
4	21.8	C8	15.528.0457.1	15.518.0457.1	50
4	21.8	C9	15.529.0457.1	15.519.0457.1	50
4	21.8	C10	15.520.1457.1	15.510.1457.1	50
4	21.8	C11	15.521.1457.1	15.511.1457.1	50
4	21.8	C12	15.522.1457.1	15.512.1457.1	50
4	21.8	C13	15.523.1457.1	15.513.1457.1	50
5	26.8	C3	15.523.0557.1	15.513.0557.1	50



Printing to customer requirements

Color

	RAL	Name	Color code
	1016	Sulfur yellow	15.xxx.xxxx.8
	1021	Rapeseed yellow	upon request
	2012	Salmon orange	15.xxx.xxxx.9
	3014	Dusky pink	15.xxx.xxxx.5
	4009	Pastel violet	15.xxx.xxxx.0
	5012	Light blue	15.xxx.xxxx.6
	6005	Moss green	upon request
	6027	Light green	15.xxx.xxxx.7
	7001	Silver gray	upon request
	7015	Slate gray	15.xxx.xxxx.3
	7021	Black gray	15.xxx.xxxx.1
	8019	Gray brown	upon request
	9010	Pure white	15.xxx.xxxx.2

Technical data

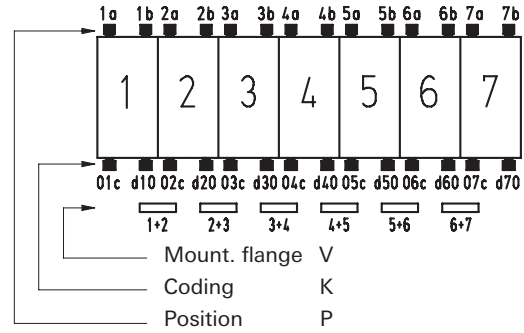
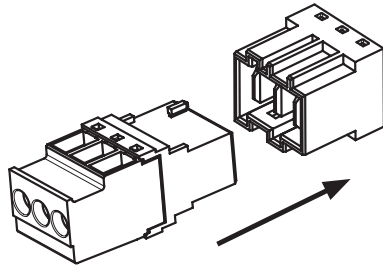
Wire range	
solid min. - max.	0.20 – 4.0 mm ²
fine stranded min. - max.	0.14 – 2.5 mm ²
fine stranded (with ferrule) max.	2.5 mm ²
Dimensions	
Wire strip length	7.0 mm
Drill hole diameter	–
Materials	
Clamp	Brass
Screw	Steel
Soldering flag	–
Type of insulation material	
Material	PA
Inflammability class	V2 (V0 upon request)
Pollution degree / Overvoltage category	
3 / Cat III	250 V / 4 kV
2 / Cat II	400 V / 4 kV
1 / Cat I	1000 V / 4 kV

Approvals

	c us		
Usegroup	B	D	
Rated voltage	300 V	300 V	250 V
Rated current	10 A	10 A	10 A
Rated cross-section			
	solid	AWG 26-12	AWG 26-12
	fine stranded	AWG 26-12	AWG 26-12
			4.0 mm ²
			2.5 mm ²
Torque	0.5 – 0.7 Nm	0.5 – 0.7 Nm	0.5 – 0.7 Nm
Screw thread	M3	M3	M3

VR = Right interlock position / wire-side VL = Left interlock position / opposite the wire-side

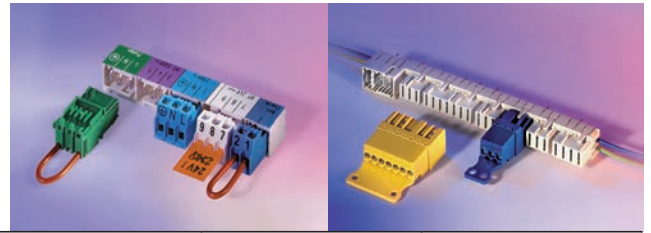
Matrix: Codings





































Number of poles		2		3		4		5		6		7	
Coding													
C1	Position												
	Coding	01c, d20		01c, d20		03c, d40							
	Mount. flange	1+2		1+2		1+2, 3+4							
C2	Position												
	Coding	01c		01c		01c							
	Mount. flange	1+2		1+2		1+2, 3+4							
C3	Position												
	Coding	01c, d20		03c		d40		d30		d30, d60			
	Mount. flange	1+2		1+2		1+2, 3+4		1+2		1+2, 5+6			
C4	Position												
	Coding	01c		d30		d23c							
	Mount. flange	1+2		1+2		1+2, 3+4							
C5	Position												
	Coding	d20		01c		d40						d10, d40, d50	
	Mount. flange	1+2		1+2		1+2, 3+4						2+3, 6+7	
C6	Position												
	Coding	-		01c		d20							
	Mount. flange	1+2		1+2		1+2, 3+4							
C7	Position												
	Coding	d20		d20		01c							
	Mount. flange	1+2		1+2		1+2, 3+4							
C8	Position												
	Coding	d20		d12c		d40							
	Mount. flange	1+2		2+3		1+2, 3+4							
C9	Position												
	Coding	d20		-		02c, d40							
	Mount. flange	1+2		1+2		3+4							
C10	Position												
	Coding	d20		02c, d30		01c, d40							
	Mount. flange	1+2		2+3		3+4							
C11	Position												
	Coding	d20		01c, d10, d30		01c, d30							
	Mount. flange	1+2		2+3		2+3							
C12	Position												
	Coding	d20		d12c		02c							
	Mount. flange	1+2		2+3		3+4							
C13	Position												
	Coding	-		d12c		02c, d40							
	Mount. flange	1+2		2+3		2+3							
C14	Position												
	Coding			d12c									
	Mount. flange			2+3									
C15	Position												
	Coding			d10									
	Mount. flange			2+3									

Combination possibilities

 = combinable



 	MS 9401 to MS 9406, MS 9481 (SMD) *)  Fig. MS 9401	MS 9411 to MS 9415 *)  Fig. MS 9412	MS 9421 to MS 9424 *)  Fig. MS 9421	MF 9431 to MF 9434 *)  Fig. MF 9431	MSF 9441 to MSF 9444 *)  Fig. MSF 9441
 8105 B					
 8105 B VL					
 8105 B VR					
 8105 B VL A					
 8105 B VR A					
 8105 FU VL					
 8105 FU VR					
 8105 FU VL A					
 8105 FU VR A					
 8105 FUE VR					
 8105 FUE VL					

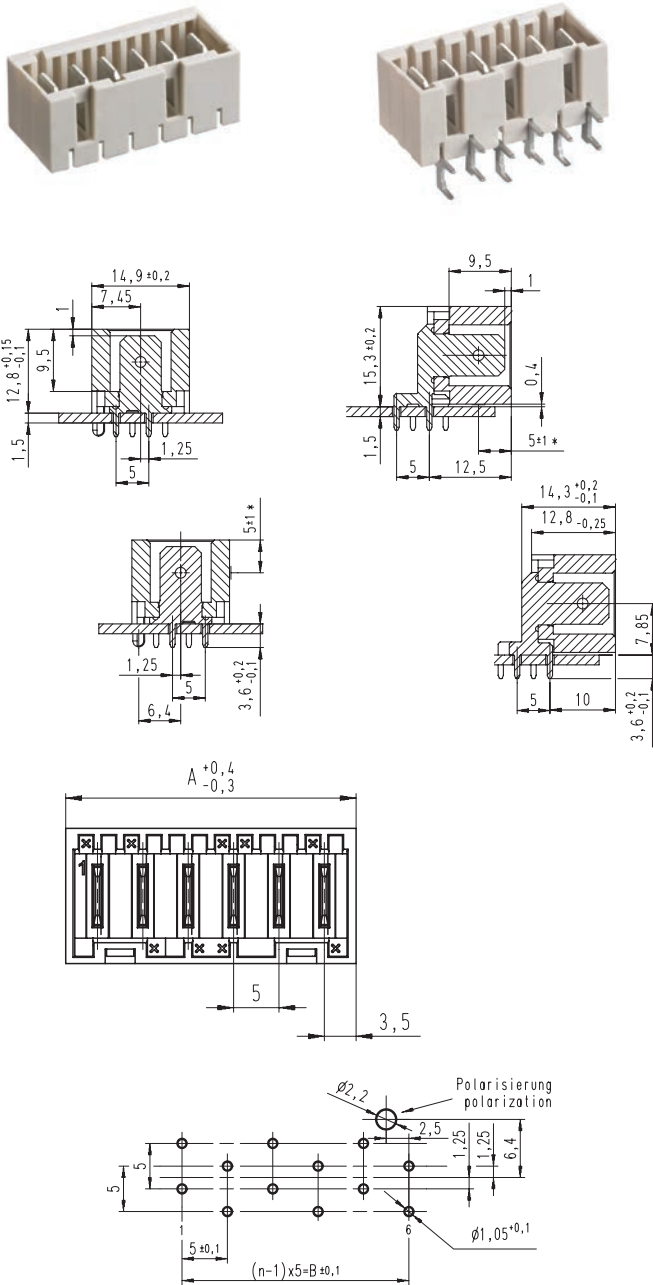
*) Customer-specific pin connectors, for details please contact the STOCKO Contact company

www.stocko-contact.com
 E-mail: info@stocko-contact.com
 Phone: +49 202 9733-0



Tab Contacts

MS 9401 / MS 9402



Order data

Poles*	A (mm)	Coding*	Art. No. MS 9401	Std. Pack
2	12	C1 0A	MSLO 9401-002-00A-960-000-00	500
2	12	C2 0B	MSLO 9401-002-00B-960-000-00	500
2	12	C3 0C	MSLO 9401-002-00C-960-000-00	500
2	12	C4 0D	MSLO 9401-002-00D-960-000-00	500
2	12	C5 0E	MSLO 9401-002-00E-960-000-00	500
2	12	C6 0F	MSLO 9401-002-00F-960-000-00	500
2	12	C7 0G	MSLO 9401-002-00G-960-000-00	500
2	12	C12 0N	MSLO 9401-002-00N-960-000-00	500
3	17	C1 0A	MSLO 9401-003-00A-960-000-00	350
3	17	C2 0C	MSLO 9401-003-00C-960-000-00	350
3	17	C3 0D	MSLO 9401-003-00D-960-000-00	350
3	17	C4 0E	MSLO 9401-003-00E-960-000-00	350
3	17	C5 0F	MSLO 9401-003-00F-960-000-00	350
3	17	C6 0G	MSLO 9401-003-00G-960-000-00	350
3	17	C7 0H	MSLO 9401-003-00H-960-000-00	350
4	22	C1 0A	MSLO 9401-004-00A-960-000-00	250
4	22	C2 0B	MSLO 9401-004-00B-960-000-00	250
4	22	C3 0C	MSLO 9401-004-00C-960-000-00	250
4	22	C4 0E	MSLO 9401-004-00E-960-000-00	250
4	22	C5 0F	MSLO 9401-004-00F-960-000-00	250
4	22	C6 0G	MSLO 9401-004-00G-960-000-00	250
5	27	C1 0B	MSLO 9401-005-00B-960-000-00	200
5	27	C2 0D	MSLO 9401-005-00D-960-000-00	200
6	32	C1 0A	MSLO 9401-006-00A-960-000-00	150
6	32	C2 0B	MSLO 9401-006-00B-960-000-00	150
7	37	C1 0A	MSLO 9401-007-00A-960-000-00	150
7	37	C2 0B	MSLO 9401-007-00B-960-000-00	150

Poles	A (mm)	Coding*	Art.No. MS 9402	Std. Pack
2	12	C1 0A	MSLO 9402-002-00A-960-000-00	500
2	12	C2 0B	MSLO 9402-002-00B-960-000-00	500
2	12	C3 0C	MSLO 9402-002-00C-960-000-00	500
2	12	C4 0D	MSLO 9402-002-00D-960-000-00	500
2	12	C5 0E	MSLO 9402-002-00E-960-000-00	500
2	12	C6 0F	MSLO 9402-002-00F-960-000-00	500
2	12	C7 0G	MSLO 9402-002-00G-960-000-00	500
2	12	C12 0N	MSLO 9402-002-00N-960-000-00	500
3	17	C1 0A	MSLO 9402-003-00A-960-000-00	350
3	17	C2 0C	MSLO 9402-003-00C-960-000-00	350
3	17	C3 0D	MSLO 9402-003-00D-960-000-00	350
3	17	C4 0E	MSLO 9402-003-00E-960-000-00	350
3	17	C5 0F	MSLO 9402-003-00F-960-000-00	350
3	17	C6 0G	MSLO 9402-003-00G-960-000-00	350
3	17	C7 0H	MSLO 9402-003-00H-960-000-00	350
4	22	C1 0A	MSLO 9402-004-00A-960-000-00	200
4	22	C2 0B	MSLO 9402-004-00B-960-000-00	200
4	22	C3 0C	MSLO 9402-004-00C-960-000-00	200
4	22	C4 0E	MSLO 9402-004-00E-960-000-00	200
4	22	C5 0F	MSLO 9402-004-00F-960-000-00	200
4	22	C6 0G	MSLO 9402-004-00G-960-000-00	200
5	27	C1 0B	MSLO 9402-005-00B-960-000-00	200
5	27	C2 0D	MSLO 9402-005-00D-960-000-00	200
6	32	C1 0A	MSLO 9402-006-00A-960-000-00	150
6	32	C2 0B	MSLO 9402-006-00B-960-000-00	150
7	37	C1 0A	MSLO 9402-007-00A-960-000-00	125
7	37	C2 0B	MSLO 9402-007-00B-960-000-00	125

*) Further coding and numbers of poles upon request

Approvals

	UL	CSA	IEC
Rated voltage	400 V	400 V	250 V
Rated current	16 A	10 A	16 A
Pitch			5.0 mm

Special terminals.

PC board terminals with integrated fuse, direct plugging technology for making direct contacts with the PC board, always a safe connection.

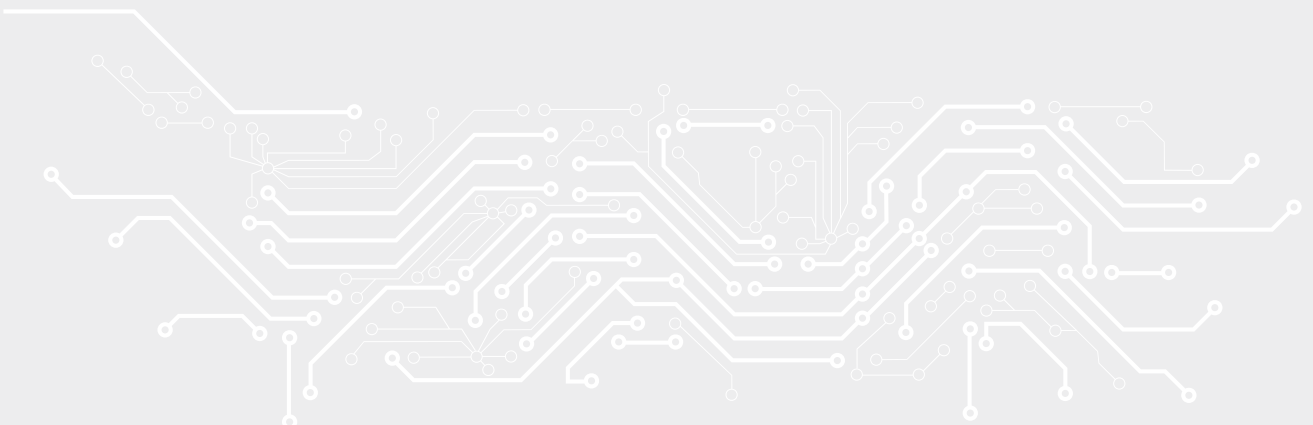
Our special terminals offer you many additional options for making contacts with the board quickly and easily, e.g. by using disconnect terminals, fuse terminals with integrated fuse or direct plug connectors. In each case, you will save space on the board and additional components.

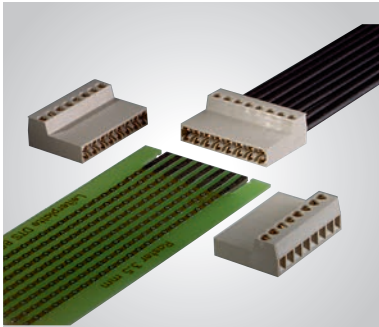
Features:

- 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 does not effect the number of available poles
- PCB with coding slots for the location of the plug-in barriers in the contact part
- Inkjet printed directly onto the connector
- Clear pole marking which is easy to read
- Special marking is possible on request
- Card holder for secure connection to the PCB and plug in connector

Type range:

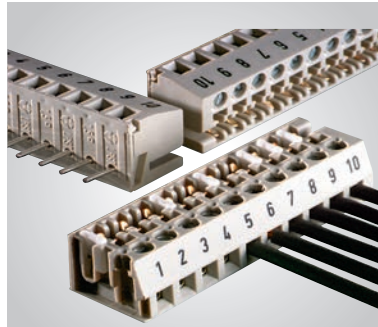
- 3.5 mm and 5 mm pitch
- 2 – 24 pole can be supplied
- connecting conductor sizes up to 1.5 mm²
- lossless mounting side-by-side
- with or without solder pin





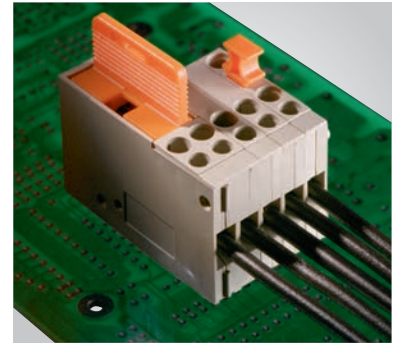
Direct-plug technology

Thanks to contacting the PCB directly no soldering is necessary and low contact resistance is achieved.



Direct-plug technology

Particularly suitable for mounting a board on a motherboard in a 90° angle.



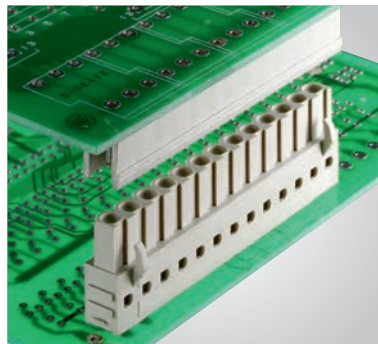
Fuse terminals

The fuse is integrated space saving in the terminal, no additional fuse carrier is necessary. Also available as a disconnect terminal.



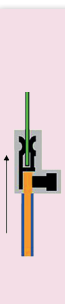
Feed-through terminal

You can contact the board with this terminal directly through the control cabinet without any additional wiring.



Board-to-board connector

The easiest way to connect two parallel boards.



PCB edge connector type DST 85, rising cage clamp system

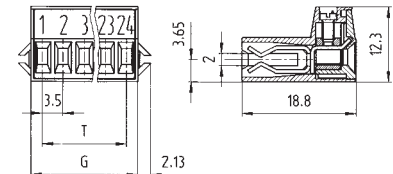
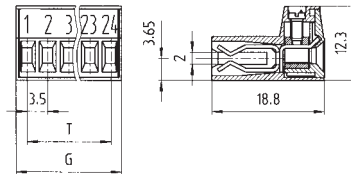
pitch 3.50 mm
1.5 mm²

IEC	125 V 2.5kV cat.3	6 A	0.14 - 1.5 mm ² (Stranded)
	250 V 2.5kV cat.2		0.14 - 1.5 mm ² (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

Std. Pack	G	T	Pole
100	7.1	3.4	2
100	10.5	6.8	3
50	14.0	10.3	4
50	17.5	13.8	5
50	21.0	17.3	6
50	24.5	20.8	7
50	28.0	24.3	8
50	31.5	27.8	9
50	35.0	31.3	10
50	38.5	34.8	11
50	42.0	38.3	12

unmarked	marked	unmarked	marked
Part Number	Part Number	Part Number	Part Number
25.003.0253.0	25.002.0253.0	25.005.0253.0	25.004.0253.0
25.003.0353.0	25.002.0353.0	25.005.0353.0	25.004.0353.0
25.003.0453.0	25.002.0453.0	25.005.0453.0	25.004.0453.0
25.003.0553.0	25.002.0553.0	25.005.0553.0	25.004.0553.0
25.003.0653.0	25.002.0653.0	25.005.0653.0	25.004.0653.0
25.003.0753.0	25.002.0753.0	25.005.0753.0	25.004.0753.0
25.003.0853.0	25.002.0853.0	25.005.0853.0	25.004.0853.0
25.003.0953.0	25.002.0953.0	25.005.0953.0	25.004.0953.0
25.003.1053.0	25.002.1053.0	25.005.1053.0	25.004.1053.0
25.003.1153.0	25.002.1153.0	25.005.1153.0	25.004.1153.0
25.003.1253.0	25.002.1253.0	25.005.1253.0	25.004.1253.0

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

Custom Marking Available
More poles available on request

PCB edge connector type LPST, rising cage clamp system

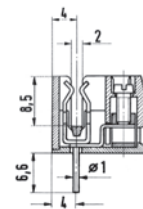
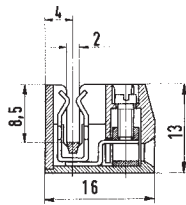
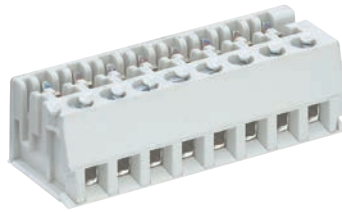
pitch 5.00 mm
2.5 mm²

IEC	250 V 4kV cat.3 690 V 4kV cat.2 1000 V 4kV cat.1	5 A	0.14 - 2.5 mm ² (Stranded) 0.14 - 4.0 mm ² (Solid)
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:



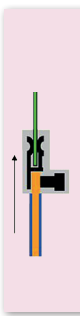
series LPST L / LPST L1 pitch 5.00 mm

Std. Pack	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
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

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

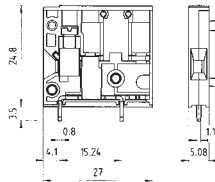


PCB terminal series 8276, rising cage clamp system

pitch 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	26 A	0.14 - 2.5 mm ² (Stranded)
	400 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	15 A (Field)	30 - 14 AWG
		23 A (Factory)	
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:



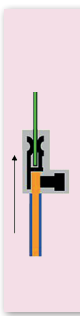
Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8276 pitch 5.08 mm

Std. Pack	G	T	Pole
100			1

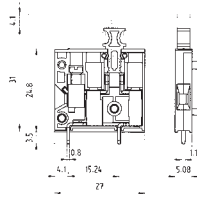
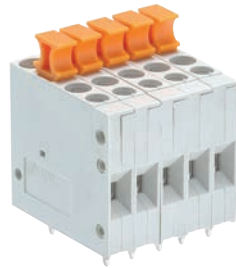
modular terminal	Part Number	Part Number	Part Number
Part Number			
25.720.1353.0			



PCB disconnect terminal series 8276, rising cage clamp system

pitch 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	15 A	0.14 - 2.5 mm ² (Stranded)
	400 V 4kV cat.2		0.14 - 4.0 mm ² (Solid)
	1000 V 4kV cat.1		
UL	300 V	15 A	30 - 14 AWG
CSA	300 V	15 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:



Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8276 TKS pitch 5.08 mm

Std. Pack	G	T	Pole
100			1

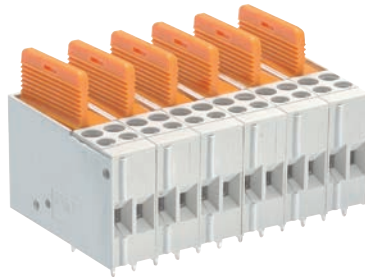
disconnect terminal	Part Number	Part Number	Part Number
	25.720.1453.0		

Custom Marking Available
More poles available on request

PCB fuse terminal series 8276, rising cage clamp system

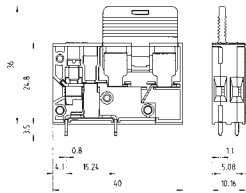
pitch 5.08 mm
2.5 mm²

IEC	250 V 4kV cat.3	6.3 A	0.14 - 2.5 mm ² (Stranded)
	690 V 4kV cat.2		0.14 - 4.0 mm ² (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:



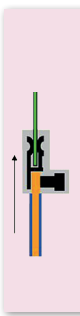
Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

series 8276 Si-D pitch 5.08 mm

Std. Pack	G	T	Pole
100			1

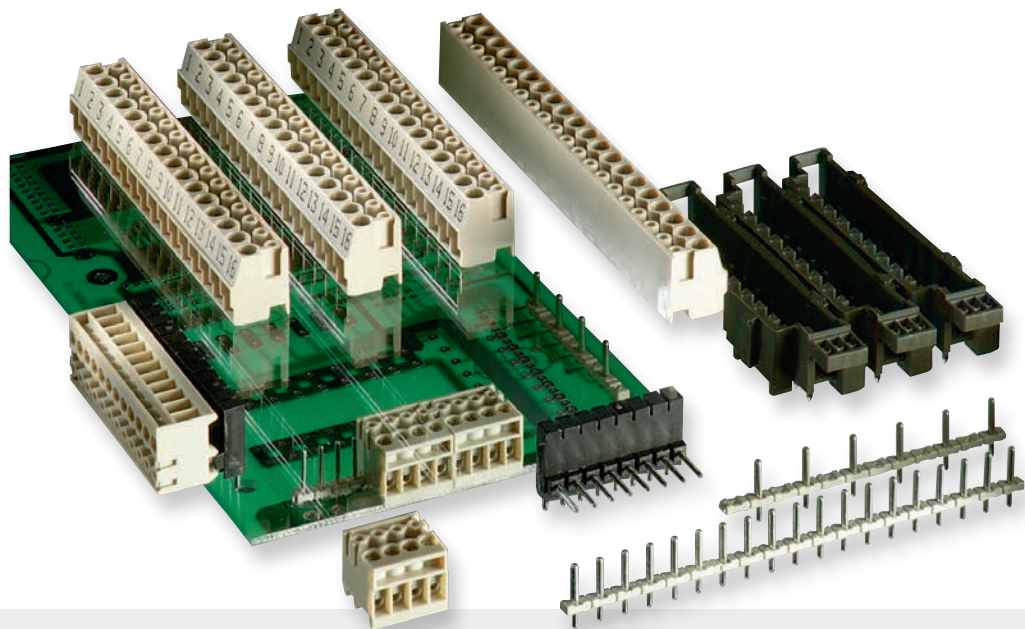
Part Number	Part Number	Part Number	Part Number
fuse terminal (for Si 5 x 20)			
25.720.1653.0			

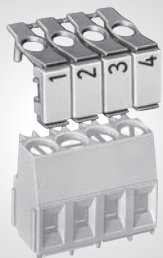


Accessories.

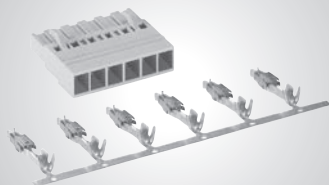
Expand the functionality of standard terminals with additional accessories like jumper combs or mounting brackets.

You can expand your connection solution with more options for our PC board terminals. All accessory parts are perfectly matched to our products.





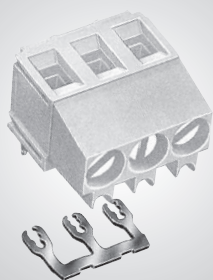
Labeling material for additional labeling areas



Crimp contacts for plug connector as single contacts or strips



Pinstrips for pluggable PC board terminals



Jumper comb, terminal compartment is maintained



Fastening material for increased vibration resistance



Test plug for easy contacting of the metal parts

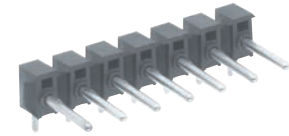


Accessories PCB pin header

pitch 5.00 mm

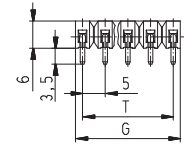
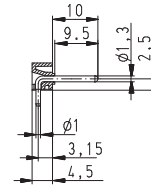
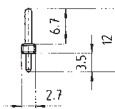
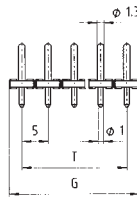
8142 connectors see chapter pluggable PCB connectors

IEC	200 V 4kV cat.3 250 V 4kV cat.2 1000 V 4kV cat.1	8 A
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

Std. Pack	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

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

Custom marking available
Other pin lengths on request
More poles available on request



Accessories PCB pin header

pitch 5.00 mm

8142 connectors see chapter pluggable PCB connectors

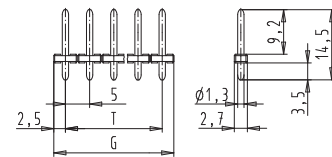
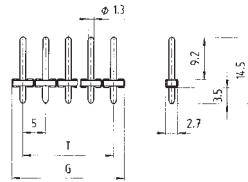
IEC	250 V 2.5kV cat.3	8 A
UL	300 V	10 A
CSA	300 V	10 A
Solder Pin	1.0 x 1.0 mm	
Drill Hole	1.3 mm	

THR (Through Hole-Reflow)



See Technical Data section for screw material options

Approvals:



PCB pin header pitch 5.00 mm

Std. Pack	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

THR box	THR tape on reel	Grey pin ϕ 1.0 mm drill ϕ 1.3mm	Black pin ϕ 1.3 mm drill ϕ 1.6mm
Part Number	Part Number	Part Number	Part Number
Z5.530.0204.0	Z5.530.0214.0	Z5.542.0225.0	Z5.530.3225.0
Z5.530.0304.0	Z5.530.0314.0	Z5.542.0325.0	Z5.530.3325.0
Z5.530.0404.0	Z5.530.0414.0	Z5.542.0425.0	Z5.530.3425.0
Z5.530.0504.0	Z5.530.0514.0	Z5.542.0525.0	Z5.530.3525.0
Z5.530.0604.0	Z5.530.0614.0	Z5.542.0625.0	Z5.530.3625.0
Z5.530.0704.0	Z5.530.0714.0	Z5.542.0725.0	Z5.530.3725.0
Z5.530.0804.0	Z5.530.0814.0	Z5.542.0825.0	Z5.530.3825.0
Z5.530.0904.0	Z5.530.0914.0	Z5.542.0925.0	Z5.530.3925.0
Z5.530.1004.0	Z5.530.1014.0	Z5.542.1025.0	Z5.530.4025.0
Z5.530.1104.0	Z5.530.1114.0	Z5.542.1125.0	Z5.530.4125.0
Z5.530.1204.0	Z5.530.1214.0	Z5.542.1225.0	Z5.530.4225.0
		Z5.542.1325.0	Z5.530.4325.0
		Z5.542.1425.0	Z5.530.4425.0
		Z5.542.1525.0	Z5.530.4525.0
		Z5.542.1625.0	Z5.530.4625.0

Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number

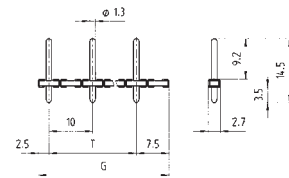
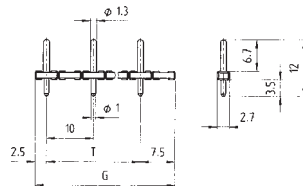
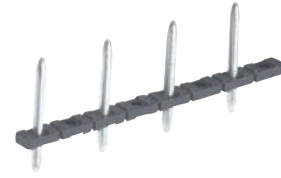
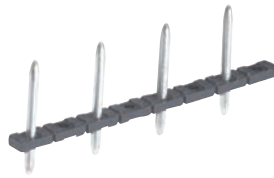
Custom marking available
Other pin lengths on request
More poles available on request

Accessories PCB pin header

pitch 10.00 mm

8142 connectors see chapter pluggable PCB connectors

IEC	500 V 8kV cat.3	8 A
	800 V 8kV cat.2	
	1000 V 8kV 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 10.00 mm

Std. Pack	G	T	Pole
50	20	10	2
50	30	20	3
50	40	30	4
50	50	40	5
50	60	50	6
50	70	60	7
50	80	70	8

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
Z5.530.6225.0	Z5.530.8225.0	Z5.540.6225.0	Z5.540.8225.0
Z5.530.6325.0	Z5.530.8325.0	Z5.540.6325.0	Z5.540.8325.0
Z5.530.6425.0	Z5.530.8425.0	Z5.540.6425.0	Z5.540.8425.0
Z5.530.6525.0	Z5.530.8525.0	Z5.540.6525.0	Z5.540.8525.0
Z5.530.6625.0	Z5.530.8625.0	Z5.540.6625.0	Z5.540.8625.0
Z5.530.6725.0	Z5.530.8725.0	Z5.540.6725.0	Z5.540.8725.0
Z5.530.6825.0	Z5.530.8825.0	Z5.540.6825.0	Z5.540.8825.0

Std. Pack	G	T	Pole

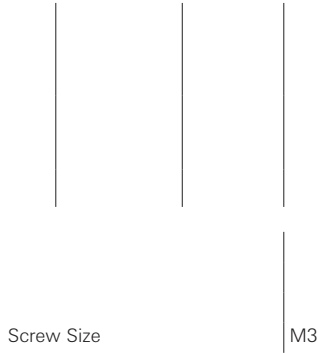
Part Number	Part Number	Part Number	Part Number

Custom marking available
Other pin lengths on request
More poles available on request

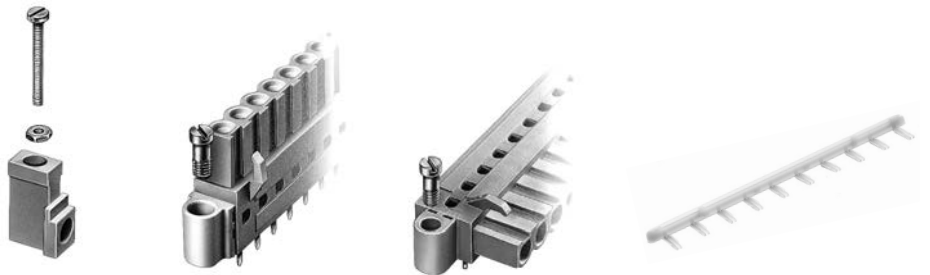


Accessories mounting bracket

pitch 5.00 / 5.08 mm



See Technical Data section for screw material options



Approvals:



mounting bracket

Std. Pack	
100	Mounting Bracket
50	End plate for two tier header
100	Coding branch for header
100	Socket connector

	vertical mounting	horizontal mounting	
Part Number	Part Number	Part Number	Part Number
Z5.523.2453.0	Z5.523.7853.0	Z5.523.7753.0	
			07.310.9853.0

coding 8X13

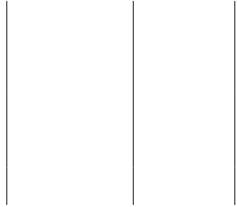
Std. Pack	G	T	Pole

Part Number	Part Number	Part Number	Part Number
			05.561.0053.0
			05.561.9153.0

Custom marking available
More poles available on request

Accessories mounting bracket

pitch 5.00 / 5.08 mm

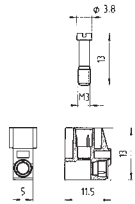


Screw Size

M3

See Technical Data section
for screw material options

Approvals:



mounting bracket

Std. Pack	
100	Mounting Bracket
25	Coding branch white
25	Coding branch orange

vertical mounting	horizontal mounting		
Part Number	Part Number	Part Number	Part Number
Z5.523.7653.0	Z5.523.7653.0		

coding 8142

Std. Pack	G	T	Pole

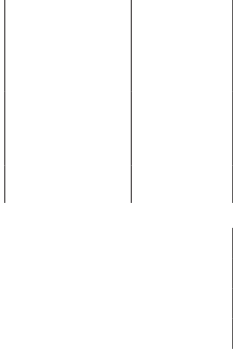
Part Number	Part Number	Part Number	Part Number
			05.561.9453.0
			05.561.9453.5

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:

jumper comb pitch 5.00 mm

Std. Pack	G	T	Pole
100			2 - 24

connecting comb		unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
available on request			

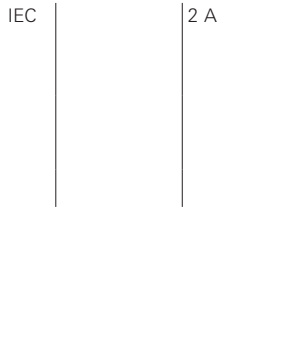
jumper comb pitch 5.08 mm

Std. Pack	G	T	Pole
100			2-24

connecting comb		unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
Part Number	Part Number	Part Number	Part Number
available on request			

Custom marking available
More poles available on request

Accessories test plug



See Technical Data section for screw material options

Approvals:

test plug

Std. Pack			Pole
100			1
50			2

Std. Pack	G	T	Pole

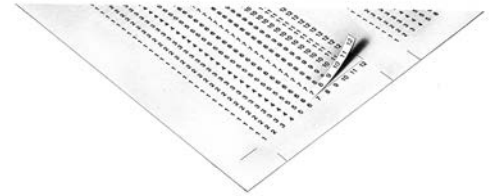
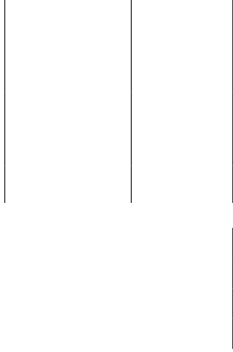
test plug 1 pole for 8391/8491	test plug 2 pole for 8391/8491	test plug 1 pole for 8135 / 8235 / 8191 ZW / 8291 ZW / 8192	test plug 2 pole for 8135 / 8235 / 8191 ZW / 8291 ZW / 8192
Part Number	Part Number	Part Number	Part Number
Z5.533.7121.0		Z5.533.7121.0	
	Z5.533.8221.0		Z5.533.7221.0

Part Number	Part Number	Part Number	Part Number



Accessories marker tag

pitch 5.00 mm



marker tag pitch 5.00 mm

Std. Pack	Pole		
50	12		
100	1		Single tag
50	10		Marker strip
1			marked 1–12
1			marked 13–24
1			marked 25–36
1			marked 37–48
1			marked 49–60
1			marked 61–72
1			marked 73–84
1			marked 85–96
1			marked 97–108

Std. Pack	G	T	Pole

marker tag carrier	Marker tag, unmarked	Adhesive marking strips (1 sheet = 100 strips)	
Part Number	Part Number	Part Number	Part Number
04.242.4653.0			
	04.242.5053.0		
	04.242.0850.0		
		04.007.4089.0	
		04.007.4189.0	
		04.007.4289.0	
		04.007.4389.0	
		04.007.4489.0	
		04.007.4589.0	
		04.007.4689.0	
		04.007.4789.0	
		04.007.4889.0	

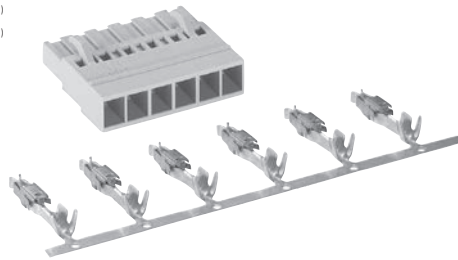
Part Number	Part Number	Part Number	Part Number

Accessories

crimp contacts for plug connector 8113 B K

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 ² (Stranded) 1.5 - 2.5 mm ² (Stranded)
UL			
CSA			
Wire Strip Length		4.0 mm	
Screw Size		M3	



series 8113 BK pitch 5.00 mm

Std. Pack	Pole		
500	500	Single contacts	
3500	3500	Strip	
1		Crimp tool	
1		Crimp die	

Std. Pack	G	T	Pole

crimp contacts 0.5 - 1.0 mm ²	crimp contacts 1.5 - 2.5 mm ²		
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		

Part Number	Part Number	Part Number	Part Number



Technical data.

Further information on our PC board terminals and plug connectors can be found here.

You can find the sizes and information required for your board layout here on the following pages. **Further information like 2D and 3D data for the products and board layouts can be found at our eShop.** We also provide an overview of the materials we use in a list in this section. The chapter is further supplemented with additional information on the quality of soldered joints.



Certified according to:

DIN EN ISO 9001:2015 • DIN EN ISO 14 001 • DIN EN ISO 17025
EMAS • ATEX • IECEx • AEO

ZERTIFIKAT
 Die
DQS GmbH
 Deutsche Gesellschaft zur Zertifizierung von Managementsystemen
 bescheinigt hiermit, dass das Unternehmen

Wieland Holding GmbH
 Brennenstraße 10-14
 D-96052 Bamberg

mit den im Anhang gelisteten Unternehmensseinheiten

wieland group
One Company

wieland **STOCKO** **SCHLEICHER**
 für den Geltungsbereich

Entwicklung, Produktion und Vertrieb von
 elektromechanischen und elektronischen Komponenten der Verbindungstechnik

ein
Qualitätsmanagementsystem
 eingeführt hat und anwendet.

Durch ein Audit, dokumentiert in einem Bericht, wurde der
 Nachweis erbracht, dass dieses Qualitätsmanagementsystem
 die Forderungen der folgenden Norm erfüllt:

DIN EN ISO 9001 : 2000
 Ausgabe Dezember 2000

Dieses Zertifikat ist gültig bis **2006-08-12**
 Zertifikat-Registrier-Nr.: **000194 QM**
 Frankfurt am Main, Berlin **2003-08-13**

Gültigkeitserklärung
 SCC 832-17
 der
Umwelterklärung
 nach der
EG-Öko-Audit-Verordnung / EMAS
 für die
Wieland Electric GmbH
 Standort Bamberg

wieland

Erklärung des Umweltgutachters zu den Begutachtungs- und Validierungstätigkeiten

Der unterzeichnende EMAS-Umweltgutachter Dipl.-Ing. (FH) Jürgen Schmalenbach (Registrierungs-Nr. DE-V-0036) akkreditiert oder zugelassen für den Bereich Herstellung von elektronischen Bauelementen (NACE-Code 26.11) und Herstellung von Elektrizitätsverteilungs- und -schaltanlagen (NACE-Code 27.12), bestätigt, begutachtet zu haben, ob der Standort bzw. die gesamte Organisation (NACE-Code Umweltklärung der Wieland Electric GmbH (Registrierungsnummer D-106-0012) angegeben, alle Anforderungen der Verordnung (EG) Nr. 1221/2009 des Europäischen Parlamentes und des Rates vom 25. Nov. 2009 über die freiwillige Teilnahme von Organisationen an einem Gemeinschaftssystem für Umweltmanagement und Umweltbetriebsprüfung (EMAS) erfüllt.

Mit der Unterzeichnung dieser Erklärung wird bestätigt, dass

- die Begutachtung und Validierung dieser Erklärung wird bestätigt, dass
- das Ergebnis der Begutachtung und Validierung mit den Anforderungen der Verordnung (EG) Nr. 1221/2009 durchgeführt wurde,
- für die Nachvollziehbarkeit
- die Daten und Angaben ein verlässliches, glaubhaftes, innerhalb
- diese Erklärung kann nicht kann nur durch eine zuständige darf nicht als eigenständig
- die Daten und Angaben ein verlässliches, glaubhaftes, innerhalb
- diese Erklärung kann nicht kann nur durch eine zuständige darf nicht als eigenständig
- die Daten und Angaben ein verlässliches, glaubhaftes, innerhalb
- diese Erklärung kann nicht kann nur durch eine zuständige darf nicht als eigenständig

Bamberg, Maselheim den *1. September 2009*
 Dipl.-Ing. (FH) Jürgen Schmalenbach
 Umweltgutachter DAU-Reg-Nr. *1221/2009*

DAkkS
 Deutsche
 Akkreditierungsstelle

Deutsche Akkreditierungsstelle GmbH
 Behörde gemäß § 8 Absatz 1 AkkStelleG LV.m. § 1 Absatz 1 AkkStelleGBV
 Unterzeichnerin der Multilateralen Abkommen
 von EA, ILAC und IAF zur gegenseitigen Anerkennung

Akkreditierung

Die Deutsche Akkreditierungsstelle GmbH bestätigt hiermit, dass das Prüflaboratorium
 Wieland Electric GmbH
 in folgenden Bereichen
 der Verbindungstechnik
 akkreditiert ist.

CTF Certificate
 Customer Testing Facility
 Acceptance of manufacturer's test results
 Anerkennung von Prüfungen aus Herstellerlabor

Certificate no. **15-Ex-0039.01**
 Zertifikat-Nr.
 Manufacturer no. **4022**
 Hersteller-Nr.

Based upon our agreement with Manufacturer
 Berühend auf der Vereinbarung mit Hersteller

and the assessment (audit) of Laboratory
 und der Begutachtung (Akkreditierung) des Labors

Electrosuisse is pleased to state that the requirements of relevant operational documents IECEx OD 024 is fulfilled for the acceptance of test reports according the CTFMFL procedure. The laboratory complies with the applicable requirements of ISO/IEC 17025:2005.
 Electrosuisse bescheinigt, dass die relevanten Anforderungen nach IECEx OD 024 für die Anerkennung von Prüfberichten im CTFMFL Verfahren erfüllt sind. Das Labor entspricht den anwendbaren Anforderungen aus der ISO/IEC 17025:2005.

2: Witness Manufacturer Testing (WMT)

Customer-Testing Facility Stage
 Status des Hersteller Labors

Electrosuisse guarantees the certification of test results which are done in the assessed manufacturer laboratory. Electrosuisse garantiert die Zertifizierung von Prüfberichten aus dem auditierten Herstellerlabor gegenüher folgenden standards nach folgenden Normen

IEC/EN 60079-0
 IEC/EN 60079-7
 IEC/EN 60079-15
 ATEX, IECEx

and according following schemes und gemäss folgenden Verfahren

This certificate is valid until
 Dieses Zertifikat ist gültig bis **2016-08-19**

Change of standards, operational documents and procedure documents could have an influence to the validity of this certificate.
 Änderungen der Normen, formalen Dokumente und/oder Verfahrensbedingungen können vorrathalten.

Electrosuisse
 Swiss Certification Body

Jürg Reistab
 Product Certification

www.electrosuisse.ch Fahrplan, 2015-08-20 page 1 of 1

ZERTIFIKAT
 Die
DQS GmbH
 Deutsche Gesellschaft zur Zertifizierung von Managementsystemen
 bescheinigt hiermit, dass das Unternehmen

Wieland Holding GmbH
 Umwelt
 Brennenstraße 10 - 14
 D-96052 Bamberg

mit den im Anhang gelisteten Unternehmensseinheiten

wieland group
One Company

wieland **STOCKO** **SCHLEICHER**
 für den Geltungsbereich

Entwicklung, Produktion und Vertrieb von elektromechanischen
 und elektronischen Komponenten der Verbindungstechnik

ein
Umweltmanagementsystem
 eingeführt hat und anwendet.

Durch ein Audit, dokumentiert in einem Bericht, wurde der
 Nachweis erbracht, dass dieses Umweltmanagementsystem
 die Forderungen der folgenden Norm erfüllt:

DIN EN ISO 14001 : 2005
 entspricht EN ISO 14001 Ausgabe November 2004

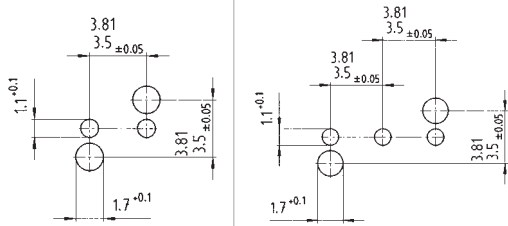
Dieses Zertifikat ist gültig bis **2009-08-19**
 Zertifikat-Registrier-Nr.: **050405 UM**
 Frankfurt am Main **2006-08-14**

Jes. Lu. M. Drehsel GESCHAFTSVERTRER Dipl.-Ing. S. Heintz
 D-60433 Frankfurt am Main, August-Schneke-Straße 21

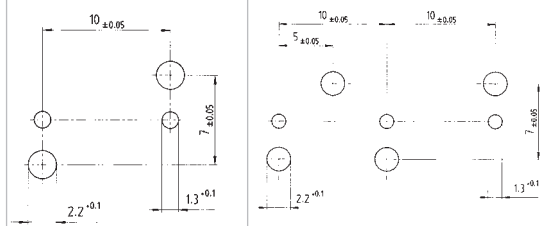
Technical Data

PCB Drilling plans

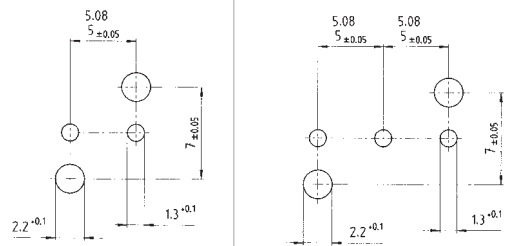
pitch 3.50 / 3.81 mm drilling plan
drawing includes optional locating cams



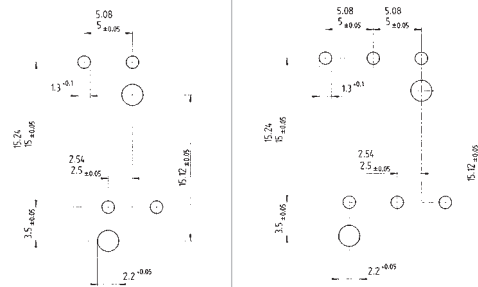
pitch 10.00 mm drilling plan
drawing includes optional locating cams



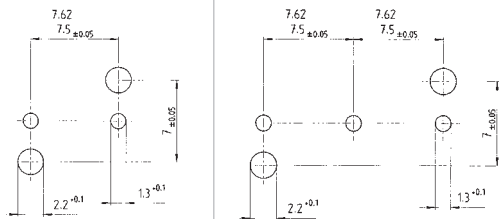
pitch 5.00 / 5.08 mm drilling plan
drawing includes optional locating cams



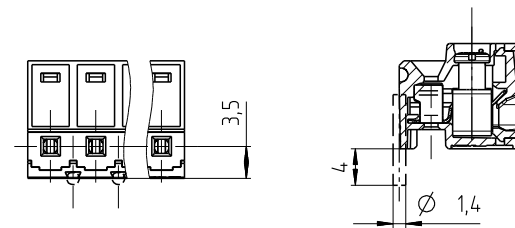
8291E drilling plan
drawing includes optional locating cams



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

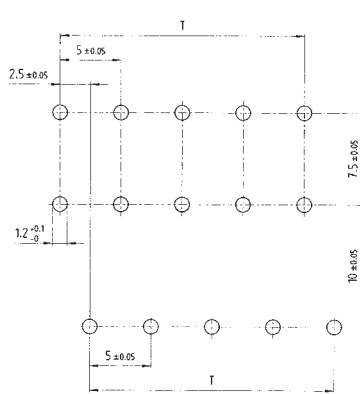


8142 ZP Layout codings and pins



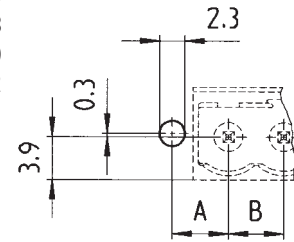
Technical Data PCB Drilling plans

8195 D / V drilling plan

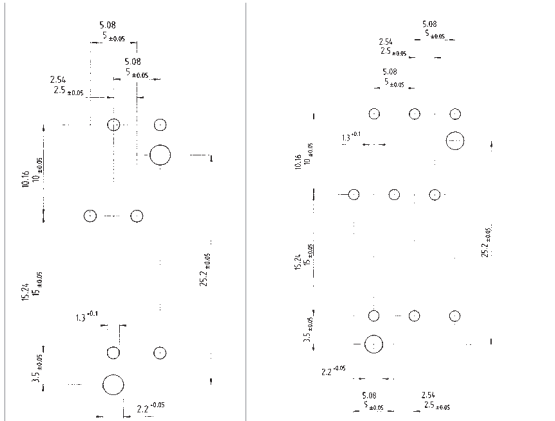


mounting bracket drilling plan

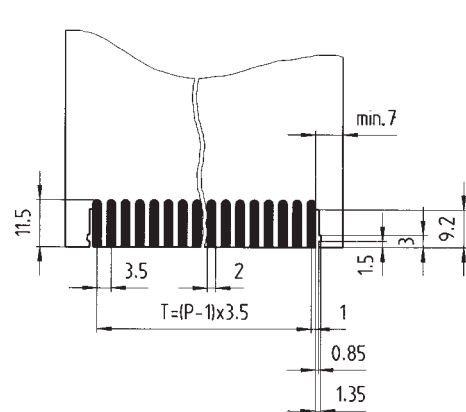
	A	B
8113	5.1	5.00
8213	5.2	5.08
8313	5.4	7.50
8413	5.4	7.62



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

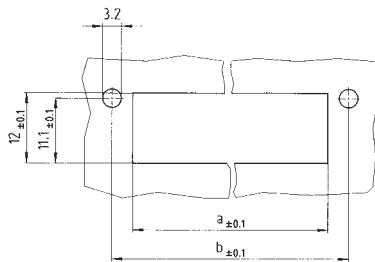


DST 85 PCB trace plan



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



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
socket contact for type 8142	tinned bronze
socket contact for type 8543	tinned brass
wire protection	tinned bronze
tab contact	tinned bronze

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 0 to a 5.

25.163.02**x**3.0

0 = nickel plated brass screw
 5 = 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

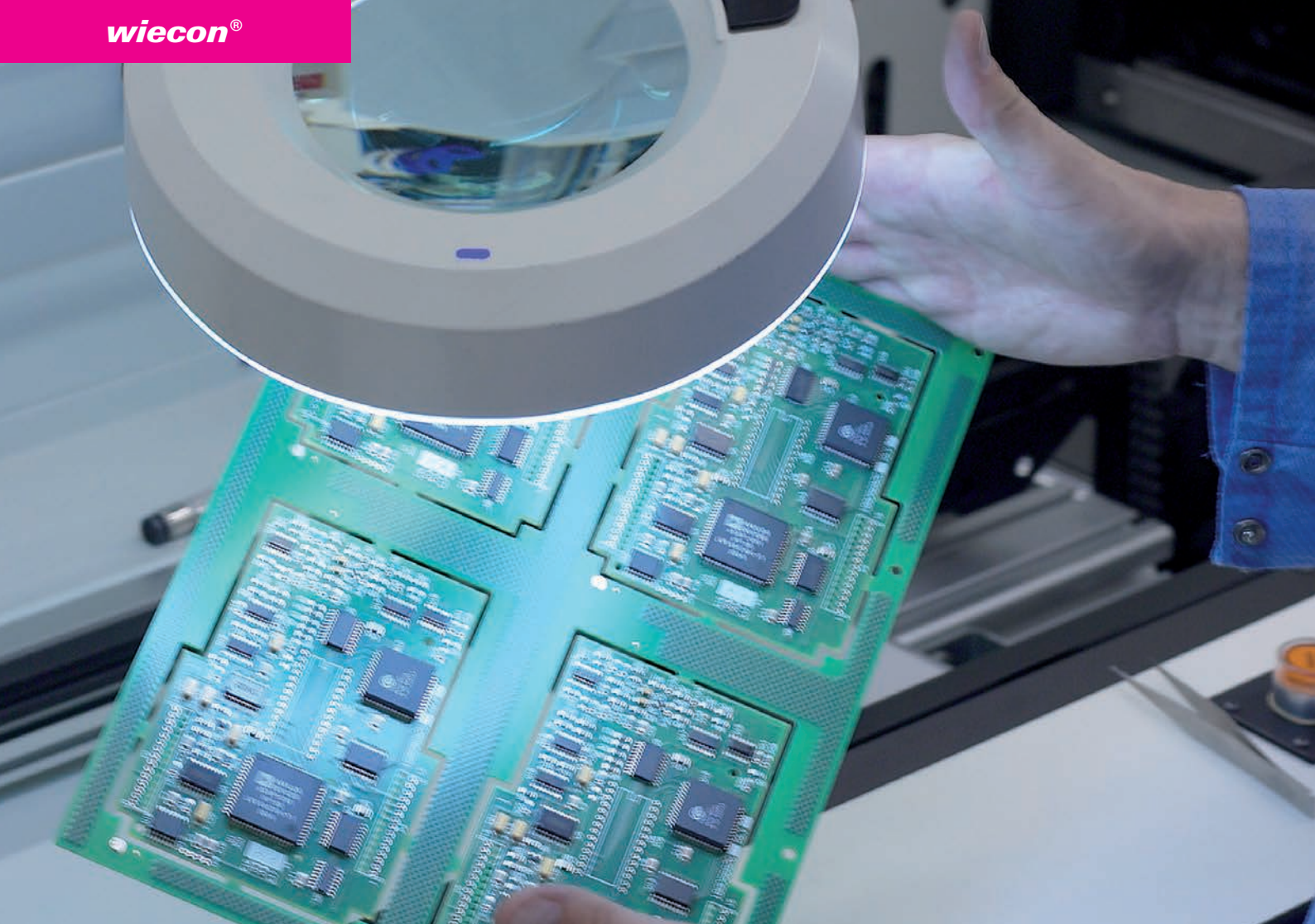
Electrical and thermal characteristics of plastic materials

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 ¹² Ω	10 ¹¹ Ω	10 ¹² Ω	10 ¹² Ω	10 ¹² Ω	10 ¹⁵ Ω
Surface resistance	VDE 0303-T30	IEC 93	10 ¹⁰ Ω	10 ¹⁰ Ω	10 ¹⁰ Ω	10 ¹⁰ Ω	10 ¹⁰ Ω	10 ¹⁴ 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



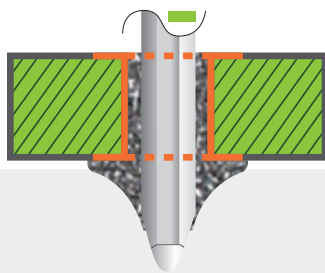


Quality of the Soldering Point

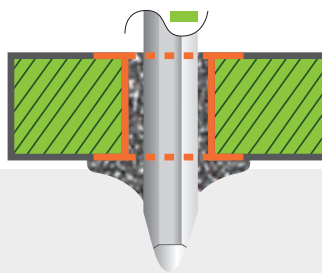
Soldering points made with the THR process differ from those made by other manufacturing processes due to the nature of the process involved. With longer pin lengths (2.6 mm), the soldering points can be viewed and evaluated in accordance with IPC-A-610C. Comparing soldering points from the wave soldering 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.

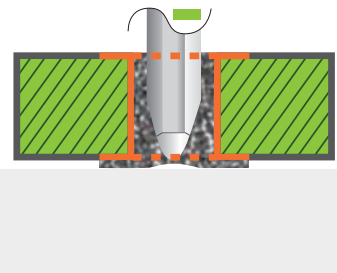
When it has been decided that an application needs a shorter pin length (1.5 mm), evaluation as per IPC-A-610C is not possible since there is no soldering meniscus left. A standard must then be defined together with quality assurance and production.



Wave soldering



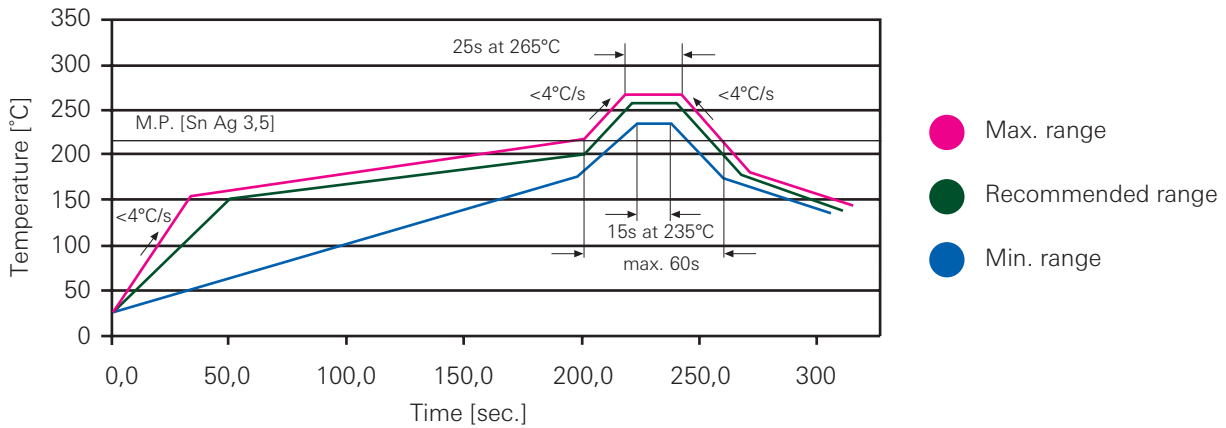
THR soldering



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

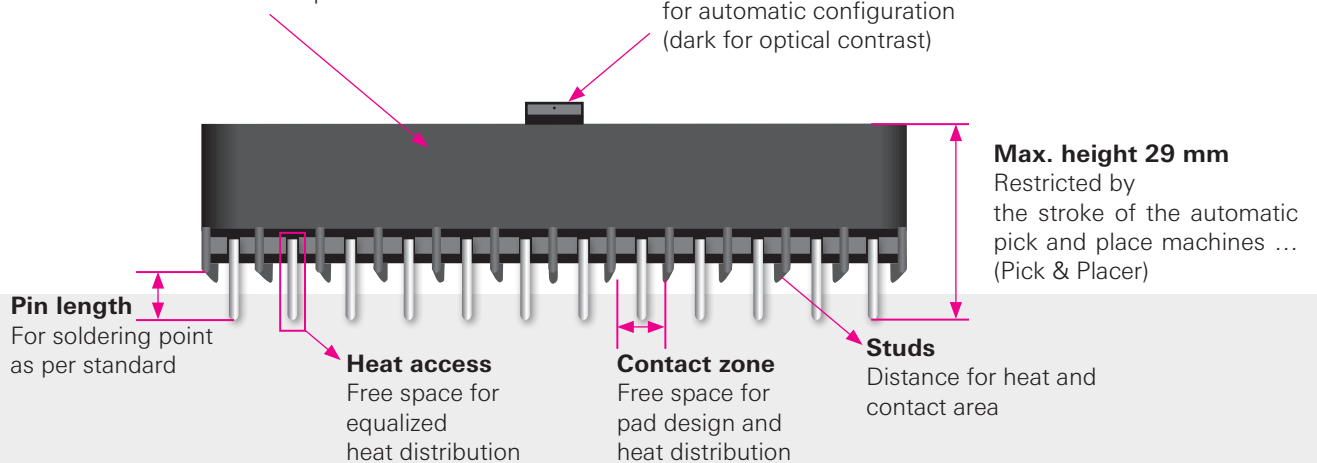
The primary demands on THR components are their ability to be automatically configured, the optimal heat distribution on the pin and the THR temperature profile.

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

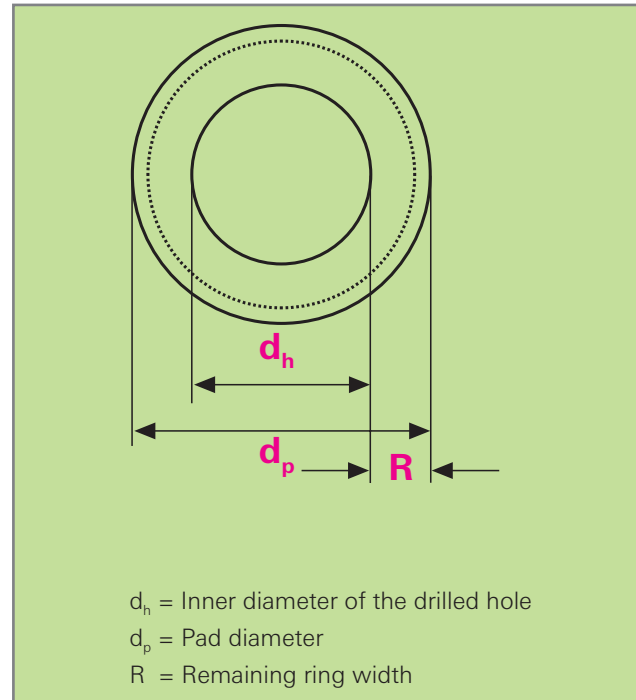
The drilled hole diameter must be selected to permit a good reflow of the solder from the pin back into the hole (i.e. by capillary action). It should also offer a size which can be automatically configured in accordance with the component tolerances.

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

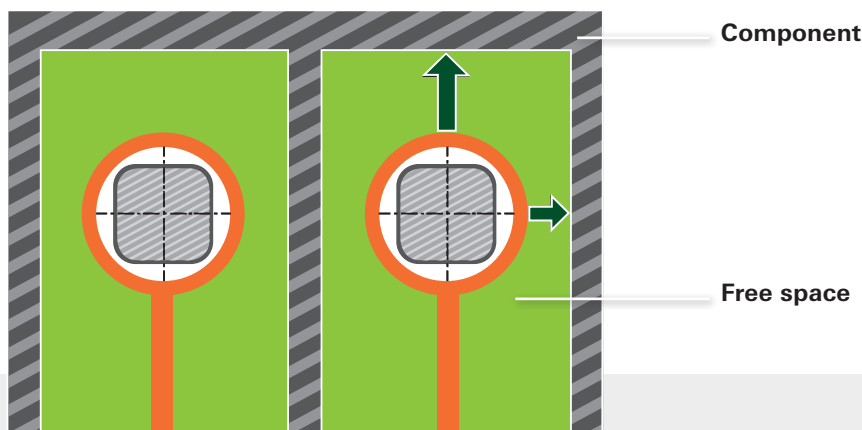
Remaining Ring and Pad Geometry

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.



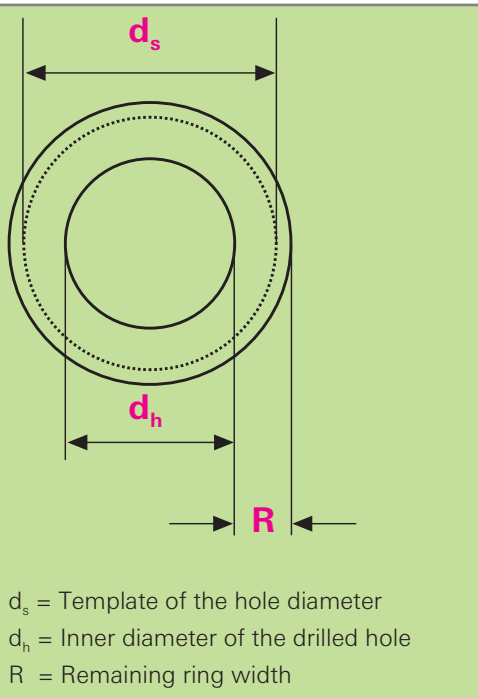
This is possible when increased demands on seepage and air gap distances place restrictions on the remaining ring widths. However, the parameters which can be executed must then be determined by trial and error. A remaining ring width of up to 0.2 mm is generally considered safe from a technical processing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

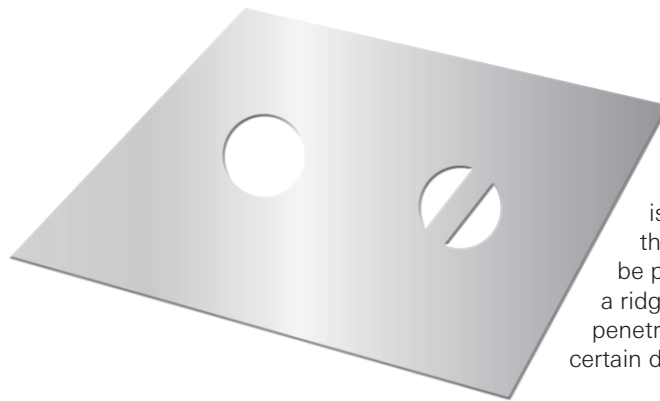
THR Template Layout

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.



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

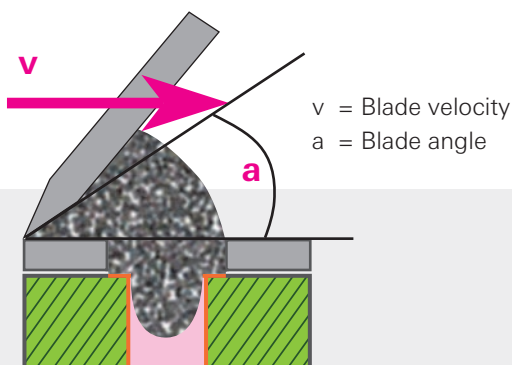
In case there is not enough solder, the template hole can be enlarged to ensure a specified amount of excess pressure.



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.



Index

25.352.4606.0	66	25.359.4006.0	68	25.374.6253.0	73	25.386.3253.0	93	25.397.4053.0	69	25.400.6453.0	10
25.352.4616.0	66	25.359.4016.0	68	25.374.6353.0	73	25.390.3253.0	72	25.397.4153.0	69	25.400.6457.0	10
25.352.4653.0	63	25.359.4053.0	64	25.374.6453.0	73	25.390.3353.0	72	25.397.4253.0	69	25.400.6553.0	10
25.354.3253.0	70	25.359.4106.0	68	25.374.6553.0	73	25.390.3453.0	72	25.397.4353.0	69	25.400.6557.0	10
25.354.3353.0	70	25.359.4116.0	68	25.374.6653.0	73	25.390.3553.0	72	25.397.4453.0	69	25.400.6653.0	10
25.356.3253.0	70	25.359.4153.0	64	25.374.6753.0	73	25.390.3653.0	72	25.397.4553.0	69	25.400.6657.0	10
25.356.3353.0	70	25.359.4206.0	68	25.374.6853.0	73	25.390.3753.0	72	25.397.4653.0	69	25.400.6753.0	10
25.358.3206.0	68	25.359.4216.0	68	25.374.6953.0	73	25.390.3853.0	72	25.398.2253.0	73	25.400.6757.0	10
25.358.3216.0	68	25.359.4253.0	64	25.374.7053.0	73	25.390.3953.0	72	25.398.2353.0	73	25.400.6853.0	10
25.358.3253.0	65	25.359.4306.0	68	25.374.7153.0	73	25.390.4053.0	72	25.398.2453.0	73	25.400.6857.0	10
25.358.3306.0	68	25.359.4316.0	68	25.374.7253.0	73	25.390.4153.0	72	25.398.2553.0	73	25.400.6953.0	10
25.358.3316.0	68	25.359.4353.0	64	25.380.0253.0	92	25.390.4253.0	72	25.398.2653.0	73	25.400.6957.0	10
25.358.3353.0	65	25.359.4406.0	68	25.380.0353.0	92	25.392.3253.0	72	25.398.2753.0	73	25.500.0253.0	19
25.358.3406.0	68	25.359.4416.0	68	25.380.0453.0	92	25.392.3353.0	72	25.398.2853.0	73	25.500.0353.0	19
25.358.3416.0	68	25.359.4453.0	64	25.380.0553.0	92	25.392.3453.0	72	25.398.2953.0	73	25.500.0453.0	19
25.358.3453.0	65	25.359.4506.0	68	25.380.0653.0	92	25.392.3553.0	72	25.398.3053.0	73	25.500.0553.0	19
25.358.3506.0	68	25.359.4516.0	68	25.380.0753.0	92	25.392.3653.0	72	25.398.3153.0	73	25.500.0653.0	19
25.358.3516.0	68	25.359.4553.0	64	25.380.0853.0	92	25.392.3753.0	72	25.398.3253.0	73	25.500.0753.0	19
25.358.3553.0	65	25.359.4606.0	68	25.380.0953.0	92	25.392.3853.0	72	25.398.6253.0	73	25.500.0853.0	19
25.358.3606.0	68	25.359.4616.0	68	25.380.1053.0	92	25.392.3953.0	72	25.398.6353.0	73	25.500.0953.0	19
25.358.3616.0	68	25.359.4653.0	64	25.380.1153.0	92	25.392.4053.0	72	25.398.6453.0	73	25.500.1053.0	19
25.358.3653.0	65	25.360.0253.0	92	25.380.1253.0	92	25.392.4153.0	72	25.398.6553.0	73	25.500.1153.0	19
25.358.3706.0	68	25.360.0353.0	92	25.380.1253.0	92	25.392.4253.0	72	25.398.6653.0	73	25.500.1253.0	19
25.358.3716.0	68	25.360.0453.0	92	25.380.3253.0	92	25.392.4253.0	69	25.398.6753.0	73	25.500.1353.0	19
25.358.3753.0	65	25.360.0553.0	92	25.380.3353.0	92	25.394.3253.0	69	25.398.6853.0	73	25.500.1453.0	19
25.358.3806.0	68	25.360.0653.0	92	25.380.3453.0	92	25.394.3353.0	69	25.398.6953.0	73	25.500.1553.0	19
25.358.3816.0	68	25.360.0653.0	92	25.380.3553.0	92	25.394.3453.0	69	25.398.7053.0	73	25.500.1653.0	19
25.358.3853.0	65	25.360.0753.0	92	25.380.3653.0	92	25.394.3553.0	69	25.398.7153.0	73	25.500.1653.0	19
25.358.3906.0	68	25.360.0853.0	92	25.380.3753.0	92	25.394.3653.0	69	25.398.7253.0	73	25.500.6253.0	19
25.358.3916.0	68	25.360.0953.0	92	25.380.3853.0	92	25.394.3753.0	69	25.400.3110.1	8	25.500.6353.0	19
25.358.3953.0	65	25.360.1053.0	92	25.380.3953.0	92	25.394.3853.0	69	25.400.3110.2	8	25.501.0253.0	19
25.358.4006.0	68	25.360.1153.0	92	25.380.4053.0	92	25.394.3953.0	69	25.400.3210.1	8	25.501.0353.0	19
25.358.4016.0	68	25.360.1253.0	92	25.380.4153.0	92	25.394.4053.0	69	25.400.3210.2	8	25.501.0453.0	19
25.358.4053.0	65	25.360.3253.0	92	25.380.4253.0	92	25.394.4153.0	69	25.400.3310.1	8	25.501.0553.0	19
25.358.4106.0	68	25.360.3353.0	92	25.385.0253.0	93	25.394.4253.0	69	25.400.3310.2	8	25.501.0653.0	19
25.358.4106.0	68	25.360.3453.0	92	25.385.0353.0	93	25.394.4353.0	69	25.400.3410.1*	8	25.501.0753.0	19
25.358.4116.0	68	25.360.3553.0	92	25.385.0453.0	93	25.394.4453.0	69	25.400.3410.2*	8	25.501.0853.0	19
25.358.4153.0	65	25.360.3653.0	92	25.385.0553.0	93	25.394.4553.0	69	25.400.3510.1*	8	25.501.0953.0	19
25.358.4206.0	68	25.360.3753.0	92	25.385.0653.0	93	25.394.4653.0	69	25.400.3510.2*	8	25.501.1053.0	19
25.358.4216.0	68	25.360.3853.0	92	25.385.0753.0	93	25.395.3253.0	69	25.400.3610.1*	8	25.501.1153.0	19
25.358.4253.0	65	25.360.3953.0	92	25.385.0853.0	93	25.395.3353.0	69	25.400.3610.2*	8	25.501.1253.0	19
25.358.4306.0	68	25.360.4053.0	92	25.385.0953.0	93	25.395.3453.0	69	25.400.3710.1*	8	25.501.1353.0	19
25.358.4316.0	68	25.360.4153.0	92	25.385.1053.0	93	25.395.3553.0	69	25.400.3710.2*	8	25.501.1453.0	19
25.358.4353.0	65	25.360.4253.0	92	25.385.1153.0	93	25.395.3653.0	69	25.400.3810.1*	8	25.501.1553.0	19
25.358.4406.0	68	25.370.3253.0	72	25.385.1253.0	93	25.395.3753.0	69	25.400.3810.2*	8	25.501.1653.0	19
25.358.4416.0	68	25.370.3353.0	72	25.385.2253.0	93	25.395.3853.0	69	25.400.4253.0	9	25.501.1653.0	19
25.358.4453.0	65	25.370.3453.0	72	25.385.2353.0	93	25.395.3953.0	69	25.400.4257.0	9	25.501.6253.0	19
25.358.4506.0	68	25.370.3553.0	72	25.385.2453.0	93	25.395.4053.0	69	25.400.4257.9	9	25.502.0253.0	19
25.358.4516.0	68	25.370.3653.0	72	25.385.2553.0	93	25.395.4153.0	69	25.400.4353.0	9	25.502.0353.0	19
25.358.4553.0	65	25.370.3753.0	72	25.385.2653.0	93	25.395.4253.0	69	25.400.4357.0	9	25.502.0453.0	19
25.358.4606.0	68	25.370.3853.0	72	25.385.2753.0	93	25.395.4353.0	69	25.400.4357.9	9	25.502.0553.0	19
25.358.4616.0	68	25.370.3953.0	72	25.385.2853.0	93	25.395.4453.0	69	25.400.4357.9	9	25.502.0653.0	19
25.358.4653.0	65	25.370.4053.0	72	25.385.2853.0	93	25.395.4553.0	69	25.400.4457.0	9	25.502.0753.0	19
25.359.3206.0	68	25.370.4153.0	72	25.385.2953.0	93	25.395.4653.0	69	25.400.4457.9	9	25.502.0853.0	19
25.359.3216.0	68	25.370.4253.0	72	25.385.3053.0	93	25.395.4653.0	69	25.400.4557.0	9	25.502.0953.0	19
25.359.3253.0	64	25.372.3253.0	72	25.385.3153.0	93	25.396.3253.0	69	25.400.4557.9	9	25.502.1053.0	19
25.359.3306.0	68	25.372.3353.0	72	25.385.3253.0	93	25.396.3353.0	69	25.400.4653.0	9	25.502.1153.0	19
25.359.3316.0	68	25.372.3453.0	72	25.386.0253.0	93	25.396.3453.0	69	25.400.4657.0	9	25.502.1253.0	19
25.359.3353.0	64	25.372.3553.0	72	25.386.0353.0	93	25.396.3553.0	69	25.400.4657.9	9	25.502.1353.0	19
25.359.3406.0	68	25.372.3653.0	72	25.386.0453.0	93	25.396.3653.0	69	25.400.4753.0	9	25.502.1453.0	19
25.359.3416.0	68	25.372.3753.0	72	25.386.0553.0	93	25.396.3753.0	69	25.400.4757.0	9	25.502.1553.0	19
25.359.3453.0	64	25.372.3853.0	72	25.386.0653.0	93	25.396.3853.0	69	25.400.4757.9	9	25.502.1653.0	19
25.359.3506.0	68	25.372.3953.0	72	25.386.0753.0	93	25.396.3953.0	69	25.400.4853.0	9	25.502.6253.0	19
25.359.3516.0	68	25.372.4053.0	72	25.386.0853.0	93	25.396.4053.0	69	25.400.4857.0	9	25.502.6353.0	19
25.359.3553.0	64	25.372.4153.0	72	25.386.0953.0	93	25.396.4153.0	69	25.400.4857.9	9	25.503.0253.0	19
25.359.3606.0	68	25.372.4253.0	72	25.386.1053.0	93	25.396.4253.0	69	25.400.4953.0	9	25.503.0353.0	19
25.359.3616.0	68	25.372.4253.0	72	25.386.1153.0	93	25.396.4353.0	69	25.400.4957.0	9	25.503.0453.0	19
25.359.3616.0	68	25.374.2253.0	73	25.386.1253.0	93	25.396.4453.0	69	25.400.4957.9	9	25.503.0553.0	19
25.359.3653.0	64	25.374.2353.0	73	25.386.1253.0	93	25.396.4553.0	69	25.400.5053.0	9	25.503.0653.0	19
25.359.3706.0	68	25.374.2453.0	73	25.386.2253.0	93	25.396.4653.0	69	25.400.5057.0	9	25.503.0753.0	19
25.359.3716.0	68	25.374.2553.0	73	25.386.2353.0	93	25.397.3253.0	69	25.400.5057.9	9	25.503.0853.0	19
25.359.3753.0	64	25.374.2653.0	73	25.386.2453.0	93	25.397.3253.0	69	25.400.6253.0	10	25.503.0953.0	19
25.359.3806.0	68	25.374.2753.0	73	25.386.2553.0	93	25.397.3353.0	69	25.400.6257.0	10	25.503.1053.0	19
25.359.3816.0	68	25.374.2853.0	73	25.386.2653.0	93	25.397.3453.0	69	25.400.6353.0	10	25.503.1153.0	19
25.359.3853.0	64	25.374.2953.0	73	25.386.2753.0	93	25.397.3553.0	69	25.400.6357.0	10	25.503.1253.0	19
25.359.3906.0	68	25.374.3053.0	73	25.386.2853.0	93	25.397.3653.0	69				
25.359.3916.0	68	25.374.3153.0	73	25.386.2853.0	93	25.397.3753.0	69				
25.359.3953.0	64	25.374.3253.0	73	25.386.3053.0	93	25.397.3853.0	69				
				25.386.3153.0	93	25.397.3953.0	69				

Index

26.352.3606.0	67	27.009.4453.0	29	27.354.1553.0	71	27.631.4653.0	76	99.264.9996.0	63	Z5.530.0625.0	117
26.352.3616.0	67	27.009.4553.0	29	27.354.1653.0	71	27.647.0253.1	59	99.265.9996.0	63	Z5.530.0625.8	49
26.352.3706.0	67	27.009.4653.0	29	27.356.0253.0	71	27.647.0353.1	59	99.266.9996.0	63	Z5.530.0704.0	50
26.352.3716.0	67	27.011.3253.0	37	27.356.0353.0	71	27.647.0453.1	59	99.267.9996.0	63	Z5.530.0704.0	51
26.352.3806.0	67	27.011.3353.0	37	27.356.0453.0	71	27.647.0553.1	59	99.268.9996.0	63	Z5.530.0704.0	118
26.352.3816.0	67	27.011.3453.0	37	27.356.0553.0	71	27.647.0653.1	59	99.269.9996.0	63	Z5.530.0714.0	50
26.352.3906.0	67	27.011.3553.0	37	27.356.0653.0	71	27.647.0753.1	59	99.270.9996.0	63	Z5.530.0714.0	51
26.352.3916.0	67	27.011.3653.0	37	27.356.0753.0	71	27.647.0853.1	59	99.271.9996.0	63	Z5.530.0714.0	118
26.352.4006.0	67	27.011.3753.0	37	27.356.0853.0	71	27.647.0953.1	59	99.272.9996.0	63	Z5.530.0725.0	48
26.352.4016.0	67	27.011.3853.0	37	27.356.0953.0	71	27.647.1053.1	59	99.273.9996.0	63	Z5.530.0725.0	117
26.352.4106.0	67	27.011.3953.0	37	27.356.1053.0	71	27.647.1153.1	59	99.274.9996.0	63	Z5.530.0725.8	49
26.352.4116.0	67	27.011.4053.0	37	27.356.1153.0	71	27.647.1253.1	59	99.275.9996.0	63	Z5.530.0804.0	50
26.352.4206.0	67	27.011.4153.0	37	27.356.1253.0	71	27.703.0253.0	38	99.276.9996.0	63	Z5.530.0804.0	51
26.352.4216.0	67	27.011.4253.0	37	27.356.1353.0	71	27.703.0353.0	38	Z5.523.2453.0	120	Z5.530.0804.0	118
26.352.4306.0	67	27.011.4353.0	37	27.356.1453.0	71	27.703.0453.0	38	Z5.523.7653.0	121	Z5.530.0814.0	50
26.352.4316.0	67	27.011.4453.0	37	27.356.1553.0	71	27.713.0253.0	38	Z5.523.7653.0	121	Z5.530.0814.0	51
26.352.4406.0	67	27.011.4553.0	37	27.356.1653.0	71	27.713.0353.0	38	Z5.523.7753.0	120	Z5.530.0814.0	118
26.352.4416.0	67	27.011.4653.0	37	27.626.0206.0	57	27.713.0453.0	38	Z5.523.7853.0	120	Z5.530.0825.0	48
26.352.4506.0	67	27.334.0253.0	71	27.626.0306.0	57	27.714.0253.0	31	Z5.529.0225.0	48	Z5.530.0825.0	117
26.352.4516.0	67	27.334.0353.0	71	27.626.0406.0	57	27.714.0353.0	31	Z5.529.0325.0	48	Z5.530.0825.8	49
26.352.4606.0	67	27.334.0453.0	71	27.626.0506.0	57	27.714.0453.0	31	Z5.529.0425.0	48	Z5.530.0904.0	50
26.352.4616.0	67	27.334.0553.0	71	27.626.0606.0	57	27.714.0553.0	31	Z5.529.0525.0	48	Z5.530.0904.0	51
27.000.0253.0	24	27.334.0653.0	71	27.626.0706.0	57	27.714.0653.0	31	Z5.529.0625.0	48	Z5.530.0904.0	118
27.000.0353.0	24	27.334.0753.0	71	27.626.0806.0	57	27.714.0753.0	31	Z5.529.0725.0	48	Z5.530.0914.0	50
27.000.2253.0	24	27.334.0853.0	71	27.626.0906.0	57	27.714.0853.0	31	Z5.529.0825.0	48	Z5.530.0914.0	51
27.000.2353.0	24	27.334.0953.0	71	27.626.1006.0	57	95.101.0800.0	86	Z5.529.0925.0	48	Z5.530.0914.0	118
27.000.4253.0	25	27.334.1053.0	71	27.626.1106.0	57	95.101.0800.0	86	Z5.529.1025.0	48	Z5.530.0925.0	48
27.000.4353.0	25	27.334.1153.0	71	27.626.1206.0	57	95.101.0800.0	125	Z5.529.1125.0	48	Z5.530.0925.0	117
27.007.3204.0	21	27.334.1253.0	71	27.626.1306.0	57	95.101.0800.0	125	Z5.529.1225.0	48	Z5.530.0925.8	49
27.007.3214.0	21	27.334.1353.0	71	27.626.1406.0	57	99.202.9996.0	62	Z5.529.1325.0	48	Z5.530.1004.0	50
27.007.3253.0	21	27.334.1453.0	71	27.626.1506.0	57	99.202.9996.2	63	Z5.529.1425.0	48	Z5.530.1004.0	51
27.007.3304.0	21	27.334.1553.0	71	27.626.1606.0	57	99.203.9996.0	62	Z5.529.1525.0	48	Z5.530.1004.0	118
27.007.3314.0	21	27.334.1653.0	71	27.627.0206.0	57	99.203.9996.2	63	Z5.529.1625.0	48	Z5.530.1014.0	50
27.007.3353.0	21	27.336.0253.0	71	27.627.0306.0	57	99.204.9996.0	62	Z5.530.0204.0	50	Z5.530.1014.0	51
27.007.3404.0	21	27.336.0353.0	71	27.627.0406.0	57	99.204.9996.2	63	Z5.530.0204.0	51	Z5.530.1014.0	118
27.007.3414.0	21	27.336.0453.0	71	27.627.0506.0	57	99.205.9996.0	62	Z5.530.0204.0	118	Z5.530.1025.0	48
27.007.3453.0	21	27.336.0553.0	71	27.627.0606.0	57	99.205.9996.2	63	Z5.530.0214.0	50	Z5.530.1025.0	117
27.007.3553.0	21	27.336.0653.0	71	27.627.0706.0	57	99.206.9996.0	62	Z5.530.0214.0	51	Z5.530.1025.8	49
27.007.3653.0	21	27.336.0753.0	71	27.627.0806.0	57	99.206.9996.2	63	Z5.530.0214.0	118	Z5.530.1104.0	50
27.007.3753.0	21	27.336.0853.0	71	27.627.0906.0	57	99.207.9996.0	62	Z5.530.0225.0	48	Z5.530.1104.0	51
27.007.3853.0	21	27.336.0953.0	71	27.627.1006.0	57	99.207.9996.2	63	Z5.530.0225.0	117	Z5.530.1104.0	118
27.007.3953.0	21	27.336.1053.0	71	27.627.1106.0	57	99.208.9996.0	62	Z5.530.0225.8	49	Z5.530.1114.0	50
27.007.4053.0	21	27.336.1153.0	71	27.627.1206.0	57	99.208.9996.2	63	Z5.530.0304.0	50	Z5.530.1114.0	51
27.007.4153.0	21	27.336.1253.0	71	27.627.1306.0	57	99.209.9996.0	62	Z5.530.0304.0	51	Z5.530.1114.0	118
27.007.4253.0	21	27.336.1353.0	71	27.627.1406.0	57	99.209.9996.2	63	Z5.530.0304.0	118	Z5.530.1125.0	48
27.007.4353.0	21	27.336.1453.0	71	27.627.1506.0	57	99.210.9996.0	62	Z5.530.0314.0	50	Z5.530.1125.0	117
27.007.4453.0	21	27.336.1553.0	71	27.627.1606.0	57	99.210.9996.2	63	Z5.530.0314.0	51	Z5.530.1125.8	49
27.007.4553.0	21	27.336.1653.0	71	27.630.3253.0	76	99.211.9996.0	62	Z5.530.0314.0	118	Z5.530.1204.0	50
27.007.4653.0	21	27.341.3253.0	85	27.630.3353.0	76	99.211.9996.2	63	Z5.530.0325.0	48	Z5.530.1204.0	51
27.008.3253.0	29	27.341.3353.0	85	27.630.3453.0	76	99.212.9996.0	62	Z5.530.0325.0	117	Z5.530.1204.0	118
27.008.3353.0	29	27.341.3453.0	85	27.630.3553.0	76	99.212.9996.2	63	Z5.530.0325.8	49	Z5.530.1214.0	50
27.008.3453.0	29	27.341.3553.0	85	27.630.3653.0	76	99.213.9996.0	62	Z5.530.0404.0	50	Z5.530.1214.0	51
27.008.3553.0	29	27.341.3653.0	85	27.630.3753.0	76	99.213.9996.2	63	Z5.530.0404.0	51	Z5.530.1214.0	118
27.008.3653.0	29	27.341.3753.0	85	27.630.3853.0	76	99.214.9996.0	62	Z5.530.0404.0	118	Z5.530.1225.0	48
27.008.3753.0	29	27.341.3853.0	85	27.630.3953.0	76	99.214.9996.2	63	Z5.530.0414.0	50	Z5.530.1225.0	117
27.008.3853.0	29	27.341.3953.0	85	27.630.3953.0	76	99.215.9996.0	62	Z5.530.0414.0	51	Z5.530.1225.8	49
27.008.3953.0	29	27.341.4053.0	85	27.630.4153.0	76	99.215.9996.2	63	Z5.530.0414.0	118	Z5.530.1325.0	48
27.008.4053.0	29	27.341.4153.0	85	27.630.4253.0	76	99.216.9996.0	62	Z5.530.0425.0	48	Z5.530.1325.0	117
27.008.4153.0	29	27.341.4253.0	85	27.630.4353.0	76	99.216.9996.2	63	Z5.530.0425.0	117	Z5.530.1325.8	49
27.008.4253.0	29	27.341.4353.0	85	27.630.4453.0	76	99.232.9996.1	62	Z5.530.0425.8	49	Z5.530.1425.0	48
27.008.4353.0	29	27.341.4453.0	85	27.630.4553.0	76	99.233.9996.1	62	Z5.530.0504.0	50	Z5.530.1425.0	117
27.008.4453.0	29	27.341.4553.0	85	27.630.4653.0	76	99.234.9996.1	62	Z5.530.0504.0	51	Z5.530.1425.8	49
27.008.4553.0	29	27.341.4653.0	85	27.631.3253.0	76	99.235.9996.1	62	Z5.530.0504.0	118	Z5.530.1525.0	48
27.008.4653.0	29	27.354.0253.0	71	27.631.3353.0	76	99.236.9996.1	62	Z5.530.0514.0	50	Z5.530.1525.0	117
27.009.3253.0	29	27.354.0353.0	71	27.631.3453.0	76	99.237.9996.1	62	Z5.530.0514.0	51	Z5.530.1525.8	49
27.009.3353.0	29	27.354.0453.0	71	27.631.3553.0	76	99.238.9996.1	62	Z5.530.0514.0	118	Z5.530.1625.0	48
27.009.3453.0	29	27.354.0553.0	71	27.631.3653.0	76	99.239.9996.1	62	Z5.530.0525.0	48	Z5.530.1625.0	117
27.009.3553.0	29	27.354.0653.0	71	27.631.3753.0	76	99.240.9996.1	62	Z5.530.0525.0	117	Z5.530.1625.8	49
27.009.3653.0	29	27.354.0753.0	71	27.631.3853.0	76	99.241.9996.1	62	Z5.530.0525.8	49	Z5.530.3225.0	48
27.009.3753.0	29	27.354.0853.0	71	27.631.3953.0	76	99.242.9996.1	62	Z5.530.0604.0	50	Z5.530.3225.0	117
27.009.3853.0	29	27.354.0953.0	71	27.631.3953.0	76	99.243.9996.1	62	Z5.530.0604.0	51	Z5.530.3225.0	118
27.009.3953.0	29	27.354.1053.0	71	27.631.4153.0	76	99.244.9996.1	62	Z5.530.0604.0	118	Z5.530.3225.8	49
27.009.4053.0	29	27.354.1153.0	71	27.631.4253.0	76	99.245.9996.1	62	Z5.530.0614.0	50	Z5.530.3325.0	48
27.009.4153.0	29	27.354.1253.0	71	27.631.4353.0	76	99.246.9996.1	62	Z5.530.0614.0	51	Z5.530.3325.0	117
27.009.4253.0	29	27.354.1353.0	71	27.631.4453.0	76	99.262.9996.0	63	Z5.530.0614.0	118	Z5.530.3325.0	118
27.009.4353.0	29	27.354.1453.0	71	27.631.4553.0	76	99.263.9996.0	63	Z5.530.0625.0	48	Z5.530.3325.8	49

Index

Z5.530.3425.0	48	Z5.530.8525.0	53	Z5.532.0725.0	116	Z5.542.0525.0	118	MSLO 9401-002-00A-960-000-00	105
Z5.530.3425.0	117	Z5.530.8525.0	119	Z5.532.0825.0	116	Z5.542.0625.0	118	MSLO 9401-002-00B-960-000-00	105
Z5.530.3425.0	118	Z5.530.8625.0	52	Z5.532.0925.0	116	Z5.542.0725.0	118	MSLO 9401-002-00C-960-000-00	105
Z5.530.3425.8	49	Z5.530.8625.0	53	Z5.532.1025.0	116	Z5.542.0825.0	118	MSLO 9401-002-00D-960-000-00	105
Z5.530.3525.0	48	Z5.530.8625.0	119	Z5.532.1125.0	116	Z5.542.0925.0	118	MSLO 9401-002-00E-960-000-00	105
Z5.530.3525.0	117	Z5.530.8725.0	52	Z5.532.1225.0	116	Z5.542.1025.0	118	MSLO 9401-002-00F-960-000-00	105
Z5.530.3525.0	118	Z5.530.8725.0	53	Z5.532.1325.0	116	Z5.542.1125.0	118	MSLO 9401-002-00G-960-000-00	105
Z5.530.3525.8	49	Z5.530.8725.0	119	Z5.532.1425.0	116	Z5.542.1225.0	118	MSLO 9401-002-00N-960-000-00	105
Z5.530.3625.0	48	Z5.530.8825.0	52	Z5.532.1525.0	116	Z5.542.1325.0	118	MSLO 9401-003-00A-960-000-00	105
Z5.530.3625.0	117	Z5.530.8825.0	53	Z5.532.1625.0	116	Z5.542.1425.0	118	MSLO 9401-003-00C-960-000-00	105
Z5.530.3625.0	118	Z5.530.8825.0	119	Z5.532.3225.0	116	Z5.542.1525.0	118	MSLO 9401-003-00D-960-000-00	105
Z5.530.3625.8	49	Z5.531.0225.0	46	Z5.532.3325.0	116	Z5.542.1625.0	118	MSLO 9401-003-00E-960-000-00	105
Z5.530.3725.0	48	Z5.531.0225.0	116	Z5.532.3425.0	116			MSLO 9401-003-00F-960-000-00	105
Z5.530.3725.0	117	Z5.531.0325.0	46	Z5.532.3525.0	116			MSLO 9401-003-00G-960-000-00	105
Z5.530.3725.0	118	Z5.531.0325.0	116	Z5.532.3625.0	116			MSLO 9401-003-00H-960-000-00	105
Z5.530.3725.8	49	Z5.531.0425.0	46	Z5.532.3725.0	116			MSLO 9401-004-00A-960-000-00	105
Z5.530.3825.0	48	Z5.531.0425.0	116	Z5.532.3825.0	116			MSLO 9401-004-00B-960-000-00	105
Z5.530.3825.0	117	Z5.531.0525.0	46	Z5.532.3925.0	116			MSLO 9401-004-00C-960-000-00	105
Z5.530.3825.0	118	Z5.531.0525.0	116	Z5.532.4025.0	116			MSLO 9401-004-00E-960-000-00	105
Z5.530.3825.8	49	Z5.531.0625.0	46	Z5.532.4125.0	116			MSLO 9401-004-00F-960-000-00	105
Z5.530.3925.0	48	Z5.531.0625.0	116	Z5.532.4225.0	116			MSLO 9401-004-00G-960-000-00	105
Z5.530.3925.0	117	Z5.531.0725.0	46	Z5.532.4325.0	116			MSLO 9401-005-00B-960-000-00	105
Z5.530.3925.0	118	Z5.531.0725.0	116	Z5.532.4425.0	116			MSLO 9401-005-00D-960-000-00	105
Z5.530.3925.8	49	Z5.531.0825.0	46	Z5.532.4525.0	116			MSLO 9401-006-00A-960-000-00	105
Z5.530.4025.0	48	Z5.531.0825.0	116	Z5.532.4625.0	116			MSLO 9401-006-00B-960-000-00	105
Z5.530.4025.0	117	Z5.531.0925.0	46	Z5.533.7121.0	123			MSLO 9401-007-00A-960-000-00	105
Z5.530.4025.0	118	Z5.531.0925.0	116	Z5.533.7121.0	123			MSLO 9401-007-00B-960-000-00	105
Z5.530.4025.8	49	Z5.531.1025.0	46	Z5.533.7221.0	123			MSLO 9402-002-00A-960-000-00	105
Z5.530.4125.0	48	Z5.531.1025.0	116	Z5.533.8221.0	123			MSLO 9402-002-00B-960-000-00	105
Z5.530.4125.0	117	Z5.531.1125.0	46	Z5.540.0225.0	117			MSLO 9402-002-00C-960-000-00	105
Z5.530.4125.0	118	Z5.531.1125.0	116	Z5.540.0325.0	117			MSLO 9402-002-00D-960-000-00	105
Z5.530.4125.8	49	Z5.531.1225.0	46	Z5.540.0425.0	117			MSLO 9402-002-00E-960-000-00	105
Z5.530.4225.0	48	Z5.531.1225.0	116	Z5.540.0525.0	117			MSLO 9402-002-00F-960-000-00	105
Z5.530.4225.0	117	Z5.531.1325.0	46	Z5.540.0625.0	117			MSLO 9402-002-00G-960-000-00	105
Z5.530.4225.0	118	Z5.531.1325.0	116	Z5.540.0725.0	117			MSLO 9402-002-00N-960-000-00	105
Z5.530.4225.8	49	Z5.531.1425.0	46	Z5.540.0825.0	117			MSLO 9402-003-00A-960-000-00	105
Z5.530.4325.0	48	Z5.531.1425.0	116	Z5.540.0925.0	117			MSLO 9402-003-00C-960-000-00	105
Z5.530.4325.0	117	Z5.531.1525.0	46	Z5.540.1025.0	117			MSLO 9402-003-00D-960-000-00	105
Z5.530.4325.0	118	Z5.531.1525.0	116	Z5.540.1125.0	117			MSLO 9402-003-00E-960-000-00	105
Z5.530.4325.8	49	Z5.531.1625.0	46	Z5.540.1225.0	117			MSLO 9402-003-00F-960-000-00	105
Z5.530.4425.0	48	Z5.531.1625.0	116	Z5.540.1325.0	117			MSLO 9402-003-00G-960-000-00	105
Z5.530.4425.0	117	Z5.531.3225.0	46	Z5.540.1425.0	117			MSLO 9402-003-00H-960-000-00	105
Z5.530.4425.0	118	Z5.531.3225.0	116	Z5.540.1525.0	117			MSLO 9402-004-00A-960-000-00	105
Z5.530.4425.8	49	Z5.531.3325.0	46	Z5.540.1625.0	117			MSLO 9402-004-00B-960-000-00	105
Z5.530.4525.0	48	Z5.531.3325.0	116	Z5.540.3225.0	117			MSLO 9402-004-00C-960-000-00	105
Z5.530.4525.0	117	Z5.531.3425.0	46	Z5.540.3325.0	117			MSLO 9402-004-00E-960-000-00	105
Z5.530.4525.0	118	Z5.531.3425.0	116	Z5.540.3425.0	117			MSLO 9402-004-00F-960-000-00	105
Z5.530.4525.8	49	Z5.531.3525.0	46	Z5.540.3525.0	117			MSLO 9402-004-00G-960-000-00	105
Z5.530.4625.0	48	Z5.531.3525.0	116	Z5.540.3625.0	117			MSLO 9402-005-00B-960-000-00	105
Z5.530.4625.0	117	Z5.531.3625.0	46	Z5.540.3725.0	117			MSLO 9402-005-00D-960-000-00	105
Z5.530.4625.0	118	Z5.531.3625.0	116	Z5.540.3825.0	117			MSLO 9402-006-00A-960-000-00	105
Z5.530.4625.8	49	Z5.531.3725.0	46	Z5.540.3925.0	117			MSLO 9402-006-00B-960-000-00	105
Z5.530.6225.0	52	Z5.531.3725.0	116	Z5.540.4025.0	117			MSLO 9402-007-00A-960-000-00	105
Z5.530.6225.0	119	Z5.531.3825.0	46	Z5.540.4125.0	117			MSLO 9402-007-00B-960-000-00	105
Z5.530.6325.0	52	Z5.531.3825.0	116	Z5.540.4225.0	117				
Z5.530.6325.0	119	Z5.531.3925.0	46	Z5.540.4325.0	117				
Z5.530.6425.0	52	Z5.531.3925.0	116	Z5.540.4425.0	117				
Z5.530.6425.0	119	Z5.531.4025.0	46	Z5.540.4525.0	117				
Z5.530.6525.0	52	Z5.531.4025.0	116	Z5.540.4625.0	117				
Z5.530.6525.0	119	Z5.531.4125.0	46	Z5.540.6225.0	119				
Z5.530.6625.0	52	Z5.531.4125.0	116	Z5.540.6325.0	119				
Z5.530.6625.0	119	Z5.531.4225.0	46	Z5.540.6425.0	119				
Z5.530.6725.0	52	Z5.531.4225.0	116	Z5.540.6525.0	119				
Z5.530.6725.0	119	Z5.531.4325.0	46	Z5.540.6625.0	119				
Z5.530.6825.0	52	Z5.531.4325.0	116	Z5.540.6725.0	119				
Z5.530.6825.0	119	Z5.531.4425.0	46	Z5.540.6825.0	119				
Z5.530.8225.0	52	Z5.531.4425.0	116	Z5.540.8225.0	119				
Z5.530.8225.0	53	Z5.531.4525.0	46	Z5.540.8325.0	119				
Z5.530.8225.0	119	Z5.531.4525.0	116	Z5.540.8425.0	119				
Z5.530.8325.0	52	Z5.531.4625.0	46	Z5.540.8525.0	119				
Z5.530.8325.0	53	Z5.531.4625.0	116	Z5.540.8625.0	119				
Z5.530.8325.0	119	Z5.532.0225.0	116	Z5.540.8725.0	119				
Z5.530.8425.0	52	Z5.532.0325.0	116	Z5.540.8825.0	119				
Z5.530.8425.0	53	Z5.532.0425.0	116	Z5.542.0225.0	118				
Z5.530.8425.0	119	Z5.532.0525.0	116	Z5.542.0325.0	118				
Z5.530.8525.0	52	Z5.532.0625.0	116	Z5.542.0425.0	118				

Technische Beratung

und allgemeine Informationen



Nutzen Sie die Wieland Hotline – ein Anruf genügt

Industrieautomation Elektromechnik

Hotline **+49 951 9324-991**

E-Mail **AT.TS@wieland-electric.com**

Gebäude- und Installationstechnik

Hotline **+49 951 9324-996**

E-Mail **BIT.TS@wieland-electric.com**

Industrieautomation Elektronik

Hotline **+49 951 9324-995**

E-Mail **AT.TS@wieland-electric.com**

Sicherheitstechnik

Hotline **+49 951 9324-999**

E-Mail **safety@wieland-electric.com**

Infos.News.

Allgemeine Informationen und News:

www.wieland-electric.com



**eSHOP
ONLINE**

eShop.

Besuchen Sie unseren eShop unter

<http://eshop.wieland-electric.com>

Unsere Tochtergesellschaften

... und die Adressen unserer Vertriebspartner weltweit finden Sie unter:

www.wieland-electric.com



USA & KANADA

Wieland Electric Inc. Nord Amerika

2889 Brighton Road
Oakville, Ontario L6H 6C9
Tel. +1 905 8298414
Fax +1 905 8298413
sales@wielandinc.com
www.wielandinc.com
www.wieland-electric.ca



GROSSBRITANNIEN

Wieland Electric Ltd.

Riverside Business Centre,
Walnut Tree Close
GB-Guildford/Surrey GU1 4UG
Tel. +44 1483 531213
Fax +44 1483 505029
sales.uk@wieland-electric.com
www.wieland.co.uk



ITALIEN

Wieland Electric S.r.l.

Via Edison, 209
I-20019 Settimo Milanese
Tel. +39 02 48916357
Fax +39 02 48920685
info.italy@wieland-electric.com
www.wieland-electric.it



FRANKREICH

Wieland Electric SARL.

Le Cérame, Hall 6
47, avenue des Genottes
CS 48313,
95803 Cergy-Pontoise Cedex
Tel. +33 1 30320707
Fax +33 1 30320714
info.france@wieland-electric.com
www.wieland-electric.fr



SPANIEN

Wieland Electric S.L.

C/ Maria Auxiliadora 2, bajos
E-08017 Barcelona
Tel. +34 93 2523820
Fax +34 93 2523825
ventas@wieland-electric.com
www.wieland-electric.es



SCHWEIZ

Wieland Electric AG

Harzachstrasse 2b
CH-8404 Winterthur
Tel. +41 52 2352100
Fax +41 52 2352119
info.swiss@wieland-electric.com
www.wieland-electric.ch



BELGIEN & GH LUXEMBURG

ATEM-Wieland Electric NV

Bedrijvenpark De Veert 4
B-2830 Willebroek
Tel. +32 3 8661800
Fax +32 3 8661828
info.belgium@wieland-electric.com
www.wieland-electric.be



DÄNEMARK

Wieland Electric A/S

Vallørækken 26
DK-4600 Køge
Tel. +45 70 266635
Fax +45 70 266637
sales.denmark@wieland-electric.com
www.wieland-electric.dk



SCHWEDEN

Wieland Electric AB

Krossverksgatan 9B
216 16 Limhamn
Tel. +46 40 652 90 00
www.wieland-electric.se



POLEN

Wieland Electric Sp. Zo.o.

Św. Antoniego 8
62-080 Swadzim
Tel. +48 61 2225400
Fax +48 61 8407166
office@wieland-electric.pl
www.wieland-electric.pl



CHINA

Wieland Electric Trading

Unit 2703 International Soho City
885 Renmin Road,
Huangpu District
PRC- Shanghai 200010
Tel. +86 21 63555772
Fax +86 21 63550090
info-shanghai@wieland-electric.com
www.wieland-electric.cn



JAPAN

Wieland Electric Co, Ltd.

Nisso No. 16 Bldg. 7F
3-8-8 Shin-Yokohama,
Kohoku-ku
Yokohama 222-0033
Tel. +81 45 473 5085
Fax. +81 45 470 5408
info.japan@wieland-electric.com



DEUTSCHLAND

Unternehmenszentrale Wieland Electric GmbH

Brennerstraße 10 – 14
D-96052 Bamberg
Tel. +49 951 9324-0
Fax +49 951 9324-198
info@wieland-electric.com
www.wieland-electric.de

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

Phone +49 951 9324-0
Fax +49 951 9324-198
info@wieland-electric.com
www.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 300 mm²
 - 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
 - Aluminium or plastic housings
 - Degree of protection up to IP 69
 - 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: 2.5 mm to 10.16 mm
- Reflow or wave soldering process

Building and installation technology

- Building installation systems
 - Main power supply connectors IP 20/IP 65 ... IP 69
 - Bus connectors
 - Low-voltage connectors
 - Power distribution system with flat cables
 - Distribution systems
 - Room automation with KNX, EnOcean, SMI and DALI
 - DIN rail terminal blocks for electrical installations
 - Overvoltage protection