

PCB terminal, rising cage clamp system,
pitch 5.00/5.08 mm

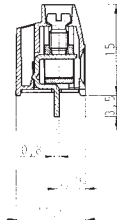
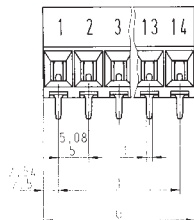
wiecon PCB

Rated cross section:
2.5 mm²

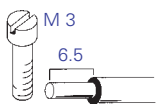
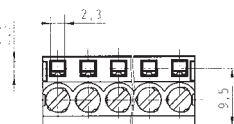
Rated current:
16 A

Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

250 V/4 kV/3 – overvoltage category III
*690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I



Materials
Insulating housing: PA 66/6 grey,
UL 94-V0
Clamping part: nickel plated brass
Contact and solder pin:
tin plated E-Cu
Clamping screw: galvanised steel



Solder pin 1 x 0.8 mm
Drill hole Ø 1.3 mm
Available with slotted screw
on request

* max. 600 V for non-earthed systems or expected overvoltage ≤ 4 kV

Type 81 – 8291 R

Conductor horizontal to PCB

(with closed test probe)

No. 22 – 12 AWG

300 V 20/30 A

No. 22 – 12 AWG

300 V 25 A



Rated voltages VDE 0110
UL Data
CSA Data
Approvals

Box Qty	G	T	Pole	Part No.	Part No.
pitch 5.00 mm Type 8191 R				unmarked with insulating plate	marked with insulating plate
500	10.85	5	2	25.155.0253.0	25.155.2253.0
500	15.85	10	3	25.155.0353.0	25.155.2353.0
250	20.85	15	4	25.155.0453.0	25.155.2453.0
250	25.85	20	5	25.155.0553.0	25.155.2553.0
200	30.85	25	6	25.155.0653.0	25.155.2653.0
200	35.85	30	7	25.155.0753.0	25.155.2753.0
100	40.85	35	8	25.155.0853.0	25.155.2853.0
100	45.85	40	9	25.155.0953.0	25.155.2953.0
100	50.85	45	10	25.155.1053.0	25.155.3053.0
50	55.85	50	11	25.155.1153.0	25.155.3153.0
50	60.85	55	12	25.155.1253.0	25.155.3253.0
50	66.85	60	13	25.155.1353.0	25.155.3353.0
50	70.85	65	14	25.155.1453.0	25.155.3453.0
pitch 5.08 mm Type 8291 R				unmarked with insulating plate	marked with insulating plate
500	11.01	5.08	2	25.156.0253.0	25.156.2253.0
500	16.09	10.16	3	25.156.0353.0	25.156.2353.0
250	21.17	15.24	4	25.156.0453.0	25.156.2453.0
250	26.25	20.32	5	25.156.0553.0	25.156.2553.0
200	31.33	25.40	6	25.156.0653.0	25.156.2653.0
200	36.41	30.48	7	25.156.0753.0	25.156.2753.0
100	41.49	35.56	8	25.156.0853.0	25.156.2853.0
100	46.57	40.64	9	25.156.0953.0	25.156.2953.0
100	51.56	45.72	10	25.156.1053.0	25.156.3053.0
50	56.73	50.80	11	25.156.1153.0	25.156.3153.0
50	61.81	55.88	12	25.156.1253.0	25.156.3253.0
50	66.89	60.96	13	25.156.1353.0	25.156.3353.0
50	71.97	66.04	14	25.156.1453.0	25.156.3453.0

pitch 10.00/10.16 mm

	Box Qty	G	T	Pole	Part No.	Part No.
pitch 10.00 mm					unmarked with insulating plate	marked with insulating plate
	500	15	10	2	25.157.0253.0	25.157.1253.0
	250	25	20	3	25.157.0353.0	25.157.1353.0
	200	35	30	4	25.157.0453.0	25.157.1453.0
	100	45	40	5	25.157.0553.0	25.157.1553.0
	50	55	50	6	25.157.0653.0	25.157.1653.0
	50	65	60	7	25.157.0753.0	25.157.1753.0
pitch 10.16 mm					unmarked with insulating plate	marked with insulating plate
	500	15.24	10.16	2	25.157.4253.0	25.157.5253.0
	250	25.40	20.32	3	25.157.4353.0	25.157.5353.0
	200	35.56	30.48	4	25.157.4453.0	25.157.5453.0
	100	45.72	40.64	5	25.157.4553.0	25.157.5553.0
	50	55.88	50.80	6	25.157.4653.0	25.157.5653.0
	50	66.04	60.96	7	25.157.4753.0	25.157.5753.0

PCB terminal, rising cage clamp system, pitch 5.00/5.08/10.00 mm

wiecon PCB

Rated cross section:
2.5 mm²

Rated current:
16 A

Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

Rated voltages:
pitch 5.00/5.08 mm VDE 0110
250 V/4 kV/3 – overvoltage category III
*690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I

Rated voltages:
pitch 10.00 mm VDE 0110
690 V/8 kV/3 – overvoltage category III
1000 V/8 kV/2 – overvoltage category II
1000 V/8 kV/1 – overvoltage category I

* max. 600 V for non-earthed systems or expected overvoltage
≤ 4 kV

Rated voltages VDE 0110

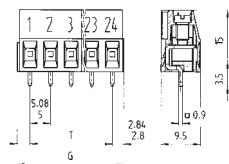
UL Data

CSA Data

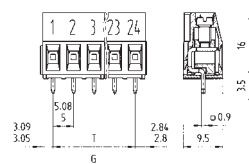
Approvals

field/factory wiring

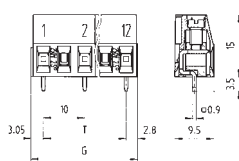
pitch 5.00/5.08 mm, without insulating plate



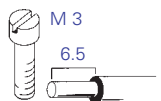
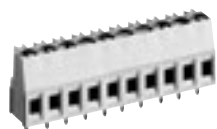
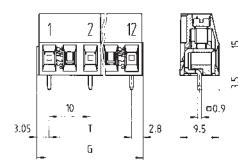
with insulating plate, without locating cams



pitch 10.00 mm, without insulating plate



with insulating plate, without locating cams



Solder pin 0.9 x 0.9 mm
Drill hole Ø 1.3 mm

Type 8191/8291

Conductor horizontal to PCB

(with open test probe)

No. 22 – 12 AWG

300 V 20/30 A

No. 22 – 12 AWG

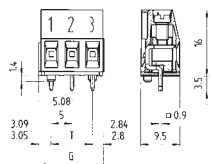
300 V 25 A



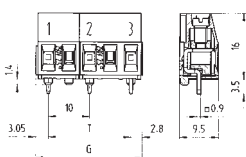
Box Qty	G	T	Pole	Part No.	Part No.	Part No.	Part No.
				unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
pitch 5.00 mm							
100	10.85	5	2	25.161.0253.0	25.160.0253.0	25.171.0253.0	25.170.0253.0
100	15.85	10	3	25.161.0353.0	25.160.0353.0	25.171.0353.0	25.170.0353.0
50	20.85	15	4	25.161.0453.0	25.160.0453.0		
50	25.85	20	5	25.161.0553.0	25.160.0553.0		
50	30.85	25	6	25.161.0653.0	25.160.0653.0		
50	35.85	30	7	25.161.0753.0	25.160.0753.0		
50	40.85	35	8	25.161.0853.0	25.160.0853.0		
50	45.85	40	9	25.161.0953.0	25.160.0953.0		
50	50.85	45	10	25.161.1053.0	25.160.1053.0		
50	55.85	50	11	25.161.1153.0	25.160.1153.0		
50	60.85	55	12	25.161.1253.0	25.160.1253.0		
50	65.85	60	13	25.161.1353.0	25.160.1353.0		
50	70.85	65	14	25.161.1453.0	25.160.1453.0		
50	75.85	70	15	25.161.1553.0	25.160.1553.0		
50	80.85	75	16	25.161.1653.0	25.160.1653.0		
17 to 24 pole on request							
pitch 5.08 mm							
100	11.01	5.08	2	25.163.0253.0	25.162.0253.0	25.173.0253.0	25.172.0253.0
100	16.09	10.16	3	25.163.0353.0	25.162.0353.0	25.173.0353.0	25.172.0353.0
50	21.17	15.24	4	25.163.0453.0	25.162.0453.0		
50	26.25	20.32	5	25.163.0553.0	25.162.0553.0		
50	31.33	25.40	6	25.163.0653.0	25.162.0653.0		
50	36.41	30.48	7	25.163.0753.0	25.162.0753.0		
50	41.49	35.56	8	25.163.0853.0	25.162.0853.0		
50	46.57	40.64	9	25.163.0953.0	25.162.0953.0		
50	51.65	45.72	10	25.163.1053.0	25.162.1053.0		
50	56.73	50.80	11	25.163.1153.0	25.162.1153.0		
50	61.81	55.88	12	25.163.1253.0	25.162.1253.0		
50	66.89	60.96	13	25.163.1353.0	25.162.1353.0		
50	71.97	66.04	14	25.163.1453.0	25.162.1453.0		
50	77.05	71.12	15	25.163.1553.0	25.162.1553.0		
50	82.13	76.20	16	25.163.1653.0	25.162.1653.0		
17 to 24 pole on request							
pitch 10.00 mm							
4 to 12 pole on request	100	15.85	10	25.169.0253.0	25.168.0253.0	25.169.6253.0	25.168.6253.0
	50	25.85	20	25.169.0353.0	25.168.0353.0	25.169.6353.0	25.168.6353.0

wiecon

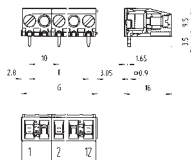
with insulating plate with locating cams



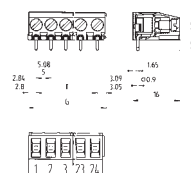
with insulating plate with locating cams



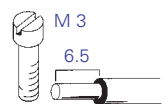
with insulating plate horizontal 5.00/5.08 mm



with insulating plate horizontal 10.00 mm



Solder pin 0.9 x 0.9 mm
Drill hole Ø 1.3 mm



Type 8191 ZW/8291 ZW

Conductor vertical to PCB

No. 22 – 12 AWG

300 V 20/30 A

No. 22 – 12 AWG

300 V 25 A



Materials

Insulating housing: PA 66/6 grey,
UL 94-V0

Clamping part: nickel plated brass

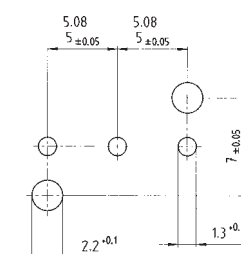
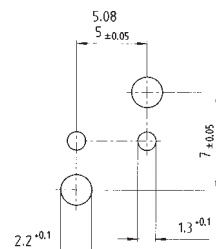
Contact and solder pin:

tin plated E-Cu

Clamping screw: galvanised steel

Part No.	Part No.	Part No.	Part No.
unmarked with insulating plate without locating cams	marked with insulating plate without locating cams	unmarked with insulating plate horizontal	marked with insulating plate horizontal
on request	on request	25.161.6253.0	25.160.6253.0
		25.161.6353.0	25.160.6353.0
		25.161.6453.0	25.160.6453.0
		25.161.6553.0	25.160.6553.0
		25.161.6653.0	25.160.6653.0
		25.161.6753.0	25.160.6753.0
		25.161.6853.0	25.160.6853.0
		25.161.6953.0	25.160.6953.0
		25.161.7053.0	25.160.7053.0
		25.161.7153.0	25.160.7153.0
		25.161.7253.0	25.160.7253.0
		25.161.7353.0	25.160.7353.0
		25.161.7453.0	25.160.7453.0
		25.161.7553.0	25.160.7553.0
		25.161.7653.0	25.160.7653.0
on request	on request	25.163.6253.0	25.162.6253.0
		25.163.6353.0	25.162.6353.0
		25.163.6453.0	25.162.6453.0
		25.163.6553.0	25.162.6553.0
		25.163.6653.0	25.162.6653.0
		25.163.6753.0	25.162.6753.0
		25.163.6853.0	25.162.6853.0
		25.163.6953.0	25.162.6953.0
		25.163.7053.0	25.162.7053.0
		25.163.7153.0	25.162.7153.0
		25.163.7253.0	25.162.7253.0
		25.163.7353.0	25.162.7353.0
		25.163.7453.0	25.162.7453.0
		25.163.7553.0	25.162.7553.0
		25.163.7653.0	25.162.7653.0
25.169.2253.0	25.168.2253.0	25.169.4253.0	25.168.4253.0
25.169.2353.0	25.168.2353.0	25.169.4353.0	25.168.4353.0

Drilling plan for version **with** locating cams,
pitch 5.00/5.08 mm



Drilling plan for version **with** locating cams,
pitch 10.00 mm

