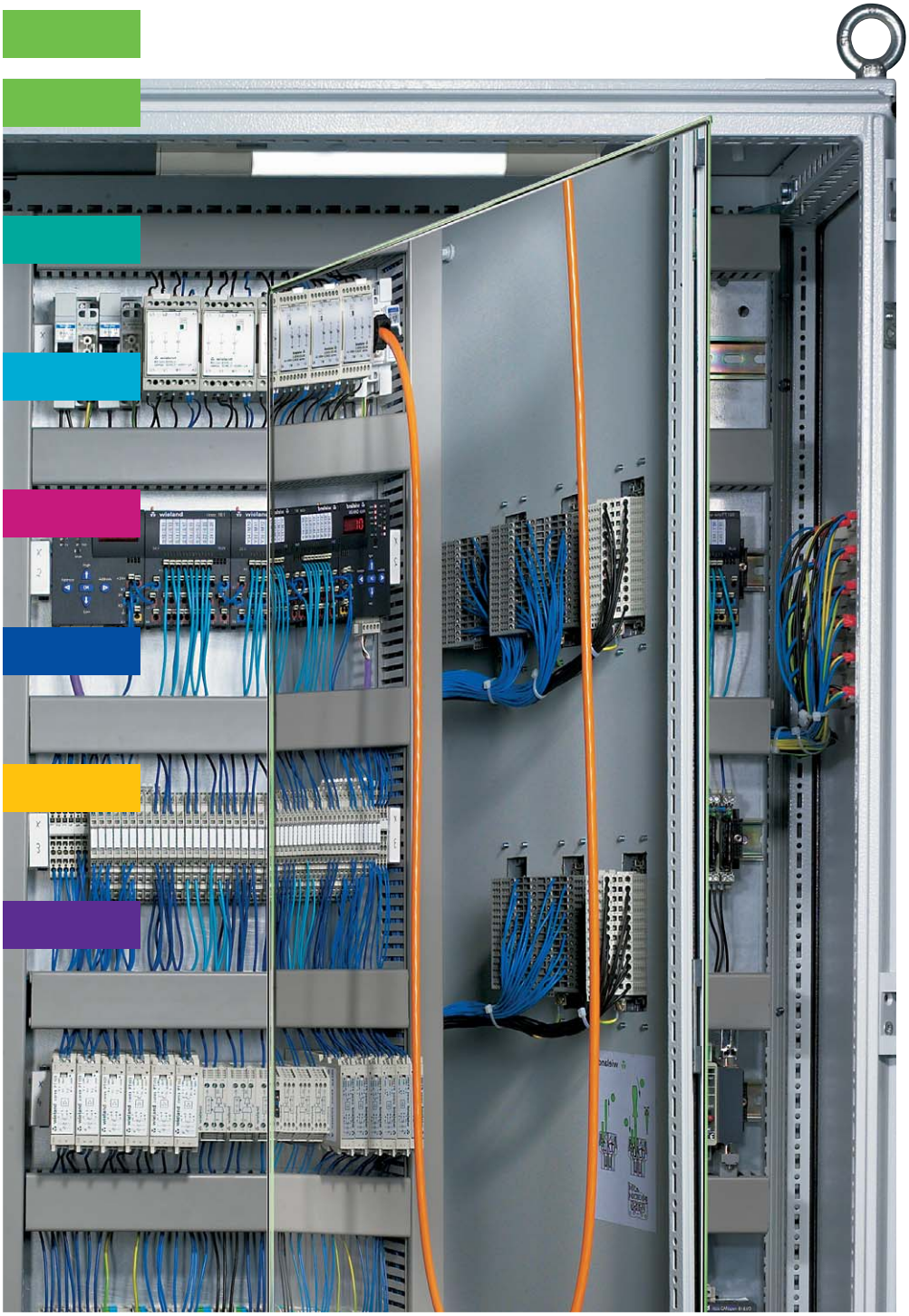
wieland

Electrical
Connections

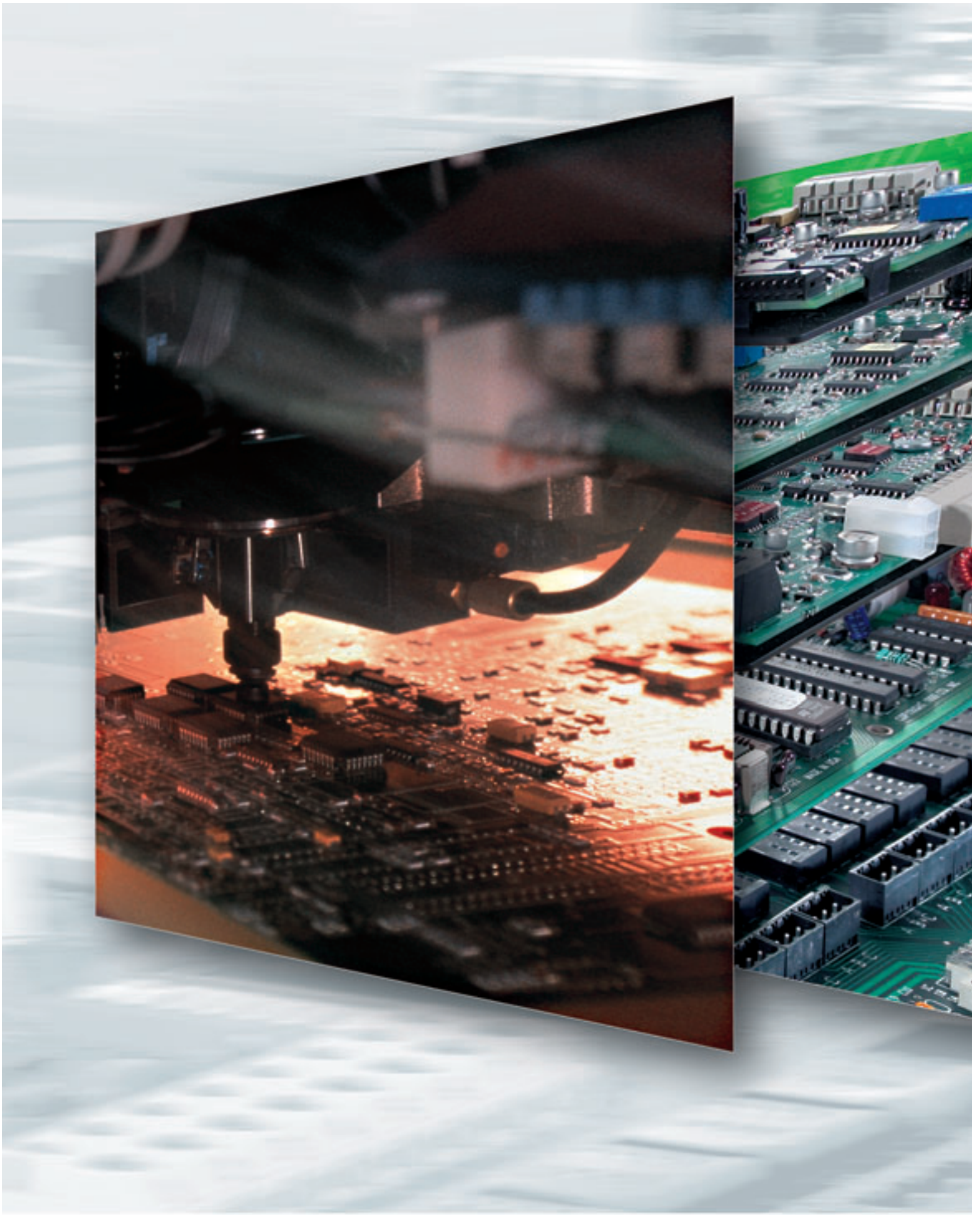


PCB Terminal Blocks

Canadian Supplement 2006

Best Connections.

0105.2 F 01/02



Excerpt from our master catalogue

PCB terminals

wiecon

In general, all Wieland components which are obliged to have the CE identification are provided with the CE mark

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wiecon

Pluggable PCB terminals and headers

wiecon PCB

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	Pitch		5.00/5.08	7.50/7.62	5.00/5.08	5.00/5.08	7.50/7.62	5.00/5.08	7.50/7.62	5.00/5.08	5.00/5.08
			8113 S/W 8213 S/W	8313 S/W 8413 S/W	8113 S/WOF 8213 S/WOF	8113 S/WF 8213 S/WF	8313 S/WF 8413 S/WF	8113 S/G 8213 S/G	8313 S/G 8413 S/G	8113 S/GOF 8213 S/GOF	8113 S/GF 8213 S/GF
		Pole	2 – 24	2 – 12	2 – 24	2 – 22	2 – 12	2 – 24	2 – 12	2 – 24	2 – 22
Page 291 **8113 BK**	**5.00**	2 – 24	● 8113		● 8113			● 8113		● 8113	
Page 286 **8113 B** **8213 B**	**5.00** **5.08**	2 – 24	●		●			●		●	
Page 292 **8113 BFK** **8213 BFK**	**5.00** **5.08**	2 – 24	●		●	●		●		●	
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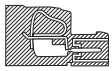
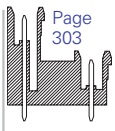
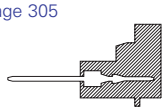
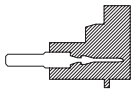
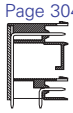
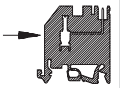
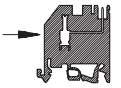
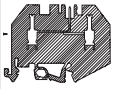
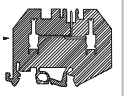
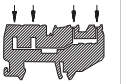
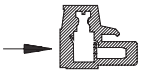
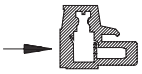
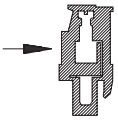
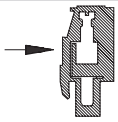
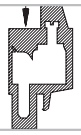
											
7.50/7.62	**5.00/5.08**	**5.00/5.08**	**5.08**	**5.00/5.08**	**5.00/5.08**	**5.08**	**5.08**	**5.08**	**5.08**	**5.00/5.08**	**5.00/5.08**
8313 S/GF	**8113 S/S**	**8113 S/S1**	**8213 SUFK**	**8113 SE/W**	**8113 SE/G**	**8213 S/**	**8213 S/**	**8213 S/**	**8213 S/**	**8113 SEG/W**	**8113 SEG/G**
8413 S/GF	**8213 S/S**	**8213 S/S1**		**8213 SE/W**	**8213 SE/G**	**DFWW**	**DFWWM**	**DFLS**	**DFLSM**	**8213 SEG/W**	**8213 SEG/G**
2 – 12	2 – 24	2 – 24	2 – 12 (24)	2 – 24 slot together	2 – 24 slot together	2 – 24	2 – 22 with nut	2 – 24	2 – 22 with nut	2 – 24	2 – 24
	● 8113	● 8113		● 8113	● 8113					● 8113	● 8113
	●	●	● 8213	●	●	●		●		●	●
	●	●	● 8213	●	●	●	●	● 8213	●	●	●
	● 8213	● 8213	●		● 8213	●		●	● 8213		● 8213
			● 8213				●		●	●	●
●											
	●	●	● 8213	●	●	●	●	● 8213	● 8213	●	●
	●	●	● 8213	●	●	●	●	● 8213	● 8213	●	●
	●	●	● 8213	●	●	●		●		●	●
	●	●	● 8213							● 8213	● 8213
			● 8213								

Pluggable PCB terminals and modular railmount terminals

wiecon PCB

			Page 310	Page 310	Page 311	Page 312	Page 312	Page 308
								
	Pitch		**5.00**	**5.00**	**7.50**	**5.00**	**7.50**	**5.00**
Pitch 5.00/7.50 mm								
			2 – 24 slot together	2 – 24 slot together	2 – 12 slot together	2 – 24 slot together	2 – 12 slot together	2 – 24 slot together
 Page 286 **8113 B**	**5.00**	2 – 24	●	●		●		
 Page 288 **8313 B**	**7.50**	2 – 12			●		●	
 Page 289 **8113 B/VL**	**5.00**	2 – 24	●	●		●		
 Page 289 **8113 B/VR**	**5.00**	2 – 24	●	●		●		
 Page 296 **8113 B/TOP**	**5.00**	2 – 24	●	●		●		
 Page 292 **8113 BFK**	**5.00**	2 – 24	●	●		●	●	●

Pluggable PCB terminals and headers

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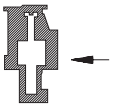
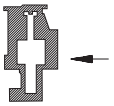
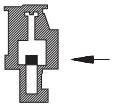
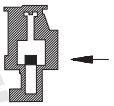
Pitch 3.81 mm Pitch 3.50 mm	Pitch		Page 284 3.50/3.81 8513 S/W 8813 S/W	Page 285 3.50/3.81 8513 S/WF 8813 S/WF	Page 284 3.50/3.81 8513 S/G 8813 S/G	Page 285 3.50/3.81 8513 S/GF 8813 S/GF
			2 – 20	2 – 20	2 – 20	2 – 20
 Page 280 **8513 B** **8813 B**	**3.50** **3.81**	2 – 20	●		●	
 Page 280 **8513 B/F** **8813 B/F**	**3.50** **3.81**	2 - 20		●		●
 Page 282 **8813 B/VR**	**3.81**	2 - 20	● 8813		● 8813	
 Page 282 **8813 B/VL**	**3.81**	2 - 20	● 8813		● 8813	
 Page 283 **8813 B/VRF**	**3.81**	2 - 20		● 8813		● 8813
 Page 283 **8813 B/VLF**	**3.81**	2 - 20		● 8813		● 8813
 Page 281 **8513 BFK**	**3.50**	2 – 20	● 8513		● 8513	

Pluggable PCB terminals and headers

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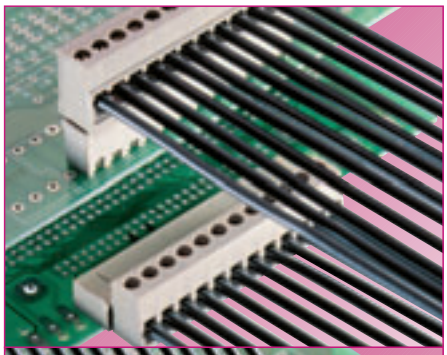

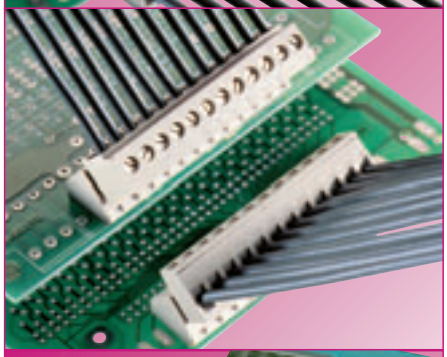

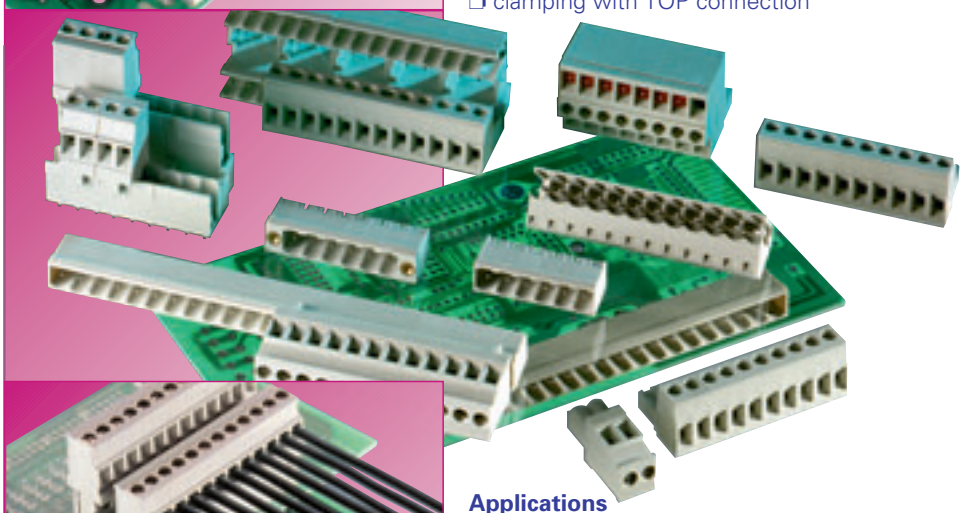

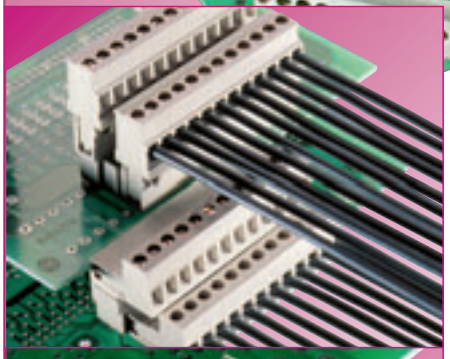

Pluggable connection describes the method used to connect an external conductor to a PCB, via a terminal connector and header

System features

- ❒ plug in system is simple to maintain
- ❒ screw termination by means of rising cage clamp for security
- ❒ screw connection is easy to operate
- ❒ spring clamp connection for speed
- ❒ comprehensive range means that the direction of insertion/withdrawal and conductor guide methodology can be individually matched to the application
- ❒ simple, clear and secure method of connecting and disconnecting
- ❒ multiple pole configuration
- ❒ connection of single core and finely stranded conductors up to 1.5 mm^2 and 2.5 mm^2
- ❒ metric and imperial pitch options The pitch measured in inches can be identified by a pip on the conductor guide funnel
- ❒ clamping with TOP connection

Applications

- ❒ designed for frequent and ongoing equipment maintenance and system changes as the pluggable terminal connector and PCB header are easily connected and disconnected
- ❒ prefabricated wiring arrangements can be easily interfaced to connect and enable the system

Type range

- ❒ 2 - 24 pole
- ❒ different variants of terminals and headers allow for horizontal, vertical and angled connection of wiring in relation to the PCB (eg. 35°)
- ❒ PCB terminals with closed side walls: ensure no miss-connection
- ❒ PCB terminals with open side walls enable expansion with no effect on the pitch to the circuit board
- ❒ pitch options: 3.81/5.00/5.08/ 7.50/7.62/10.00/10.16 mm
- ❒ two tier headers

Flange version

- ❒ terminal connectors and headers can also incorporate additional fixing elements such as screw flanges which helps prevent them being separated accidentally
- ❒ secure electrical and mechanical connection even under shock and vibration

Coding

- ❒ a coding system is available to prevent the connection of non-interchangeable components. The coding parts can be inserted into special slots in either or both the terminal connector and header
- ❒ coding does not effect number of available poles
- ❒ coding possible with a minimum of 4 poles

Marking

- ❒ clear pole marking which is easy to read enabling easy connection
- ❒ by means of ink jet printing directly onto the terminal connector using indelible ink
- ❒ special marking is possible on request

DQS certification for all product areas

- ❒ Quality standard in accordance with DIN ISO 9001
- ❒ In development, production and installation
- ❒ Continued control of the quality standard by means of regular internal and external quality audits
- ❒ Compatible with certificates of other countries:
  - BSI, Great Britain
  - SQS, Switzerland
  - Aib-Vincotte, Belgium
  - ÖQS, Austria

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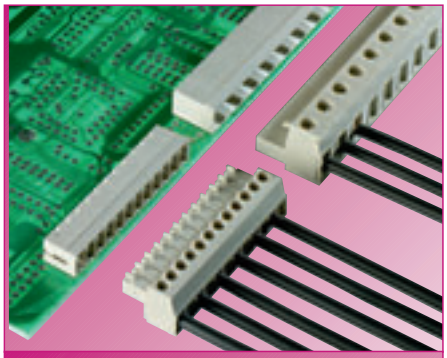
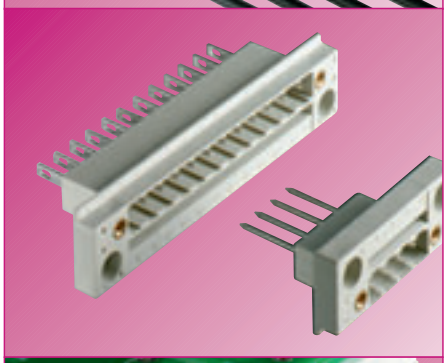
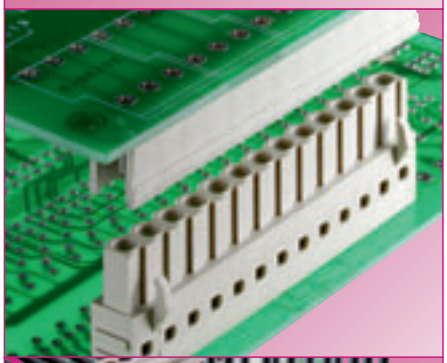
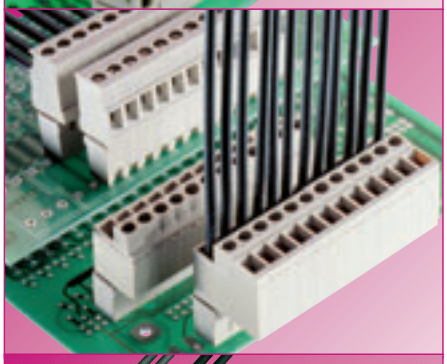
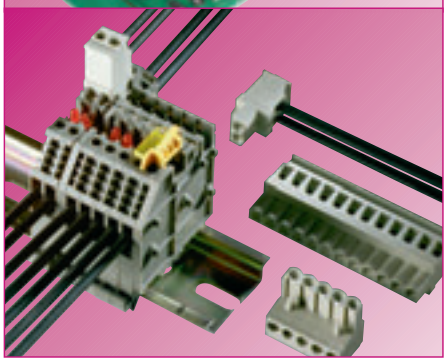










System 8813

- ❒ mini-PCB terminals 2 to 20 pole
- ❒ terminal and header horizontal or vertical in relation to the PCB
- ❒ total design height: 11 mm, of which only 8 mm is above the PCB
- ❒ in the space saving 3.81 mm pitch
- ❒ conductor size 1.5 mm^2
- ❒ suitable for coding:
  – plug terminal with coding pins
  – socket header with coding channels
- ❒ also with locking flange

Panel mount header

- ❒ header can be inserted in the unit wall (see inset)
- ❒ plug in connection through the wall
- ❒ header = bush housing
- ❒ threaded bush for vibration resistant screw connection of flange designs
- ❒ can be screwed to the housing wall
- ❒ connecting wiring inside the housing via termi-point or solder connection

Inverted version

- ❒ solderable terminal as header with straight and angled socket solder pins
- ❒ can be coded using coding parts in special slots
- ❒ the mounting holder enables locking with the header

Top version

- ❒ screw connection and conductor feed in line with connection
- ❒ plug with connection in line with conductor
- ❒ very easy to use in restricted installation conditions
- ❒ with and without integral LED

Special types

- ❒ for the control panel:
  – terminal blocks with integral header
  – assembles to 5.00 mm-pitch
  – can be mounted on DIN rail
- ❒ terminals with header for system 8113
- ❒ with vertical socket outlet
- ❒ with horizontal socket outlet

Materials

Metal components

- ❒ made from special alloys and/ or special surface treatments for:
- ❒ clamping part and clamping screw: made from nickel plated brass
  top version: galvanised and chromated steel
- ❒ socket contact: tinned bronze
- ❒ header and solder pins: made from a high quality copper alloy
- ❒ minimum contact resistance
- ❒ high corrosion protection
- ❒ secure, dynamic clamping function

Insulating housing:

- ❒ Polyamide 66/6, used on account of its excellent electrical, chemical and mechanical properties
  (see ***facts*** & DATA section)
- ❒ material in accordance with UL 94 V-0
- ❒ colour grey, similar to RAL 7032
- ❒ glass filled for additional reinforcement (no glass reinforcement in tier-type header and solderable parts)

Abbreviations for plastic material markings:

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

Note:
The conductor size and connecting capacity relate to unprepared conductors without ferrules.

The rated current specified corresponds to the maximum load of PCB terminal with connected conductor with the given conductor size.

The rated voltage is specified in accordance with DIN VDE 0110 Part 1 (IEC 60 664-1) – Insulation coordination for electrical equipment in low voltage installations and refers to the received condition of the PCB terminals.

When fitting PCB terminals to the PCB, the appropriate PCB must be selected and given the relevant dimensions (e.g. as regards the resistance of the PCB to creepage, spacing of the conductors and soldering pads).

In addition, the influences of the environment (level of pollution) to which the equipment is to be exposed are to be taken into account. The specified rate voltages for the whole module only apply if the PCB and PCB terminal have been matched correctly and carefully.

Pluggable PCB terminal, rising cage clamp system, pitch 3.50/3.81 mm

wiecon PCB

cable size

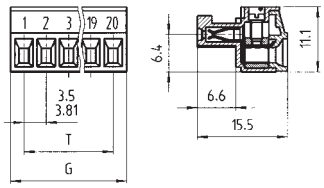
1.5 mm²

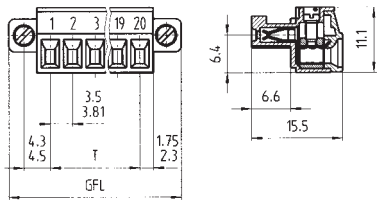
Rated cross section:
1.5 mm²

Rated current:
8 A

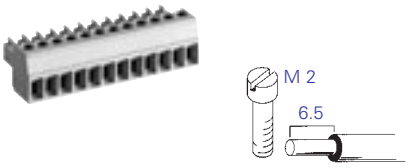
Wire range:
0.14 – 1.5 mm² single core/finely stranded

125 V/2.5 kV/3 – overvoltage category III
250 V/2.5 kV/2 – overvoltage category II
*690 V/2.5 kV/1 – overvoltage category I





* max. 600V for non earthed systems or expected overvoltage
≤ 3 kV for L ≥ 2.00 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm



Type 8513 B/..., 8813 B/...
Connection in line with conductor

with screw flange

Type 8513 B/...F, 8813 B/...F
Connection in line with conductor

Rated voltages VDE 0110			
UL Data	No. 30 – 16 AWG	300 V	8 A
CSA Data	No. 22 – 14 AWG	300 V	5 A
Approvals			

Box Qty	GFL	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 3.50 mm					unmarked	marked	unmarked	marked
100	17.40	7.00	3.50	2	25.640.3253.0	25.640.0253.0	25.641.3253.0	25.641.0253.0
100	20.90	10.50	7.00	3	25.640.3353.0	25.640.0353.0	25.641.3353.0	25.641.0353.0
50	24.40	14.00	10.50	4	25.640.3453.0	25.640.0453.0	25.641.3453.0	25.641.0453.0
50	27.90	17.50	14.00	5	25.640.3553.0	25.640.0553.0	25.641.3553.0	25.641.0553.0
50	31.40	21.00	17.50	6	25.640.3653.0	25.640.0653.0	25.641.3653.0	25.641.0653.0
50	34.90	24.50	21.00	7	25.640.3753.0	25.640.0753.0	25.641.3753.0	25.641.0753.0
50	38.40	28.00	24.50	8	25.640.3853.0	25.640.0853.0	25.641.3853.0	25.641.0853.0
50	41.90	31.50	28.00	9	25.640.3953.0	25.640.0953.0	25.641.3953.0	25.641.0953.0
50	45.40	35.00	31.50	10	25.640.4053.0	25.640.1053.0	25.641.4053.0	25.641.1053.0
50	48.90	38.50	35.00	11	25.640.4153.0	25.640.1153.0	25.641.4153.0	25.641.1153.0
50	52.40	42.00	38.50	12	25.640.4253.0	25.640.1253.0	25.641.4253.0	25.641.1253.0
50	55.90	45.50	42.00	13	25.640.4353.0	25.640.1353.0	25.641.4353.0	25.641.1353.0
50	59.40	49.00	45.50	14	25.640.4453.0	25.640.1453.0	25.641.4453.0	25.641.1453.0
50	62.90	52.50	49.00	15	25.640.4553.0	25.640.1553.0	25.641.4553.0	25.641.1553.0
50	66.40	56.00	52.50	16	25.640.4653.0	25.640.1653.0	25.641.4653.0	25.641.1653.0
Pitch 3.81 mm					unmarked	marked	unmarked	marked
100	18.01	8.41	3.81	2	25.620.3253.0	25.620.0253.0	25.621.3253.0	25.621.0253.0
100	21.82	12.22	7.62	3	25.620.3353.0	25.620.0353.0	25.621.3353.0	25.621.0353.0
50	25.63	16.03	11.43	4	25.620.3453.0	25.620.0453.0	25.621.3453.0	25.621.0453.0
50	29.44	19.84	15.24	5	25.620.3553.0	25.620.0553.0	25.621.3553.0	25.621.0553.0
50	33.25	23.65	19.05	6	25.620.3653.0	25.620.0653.0	25.621.3653.0	25.621.0653.0
50	37.06	27.46	22.86	7	25.620.3753.0	25.620.0753.0	25.621.3753.0	25.621.0753.0
50	40.87	31.27	26.67	8	25.620.3853.0	25.620.0853.0	25.621.3853.0	25.621.0853.0
50	44.68	35.08	30.48	9	25.620.3953.0	25.620.0953.0	25.621.3953.0	25.621.0953.0
50	48.49	38.89	34.29	10	25.620.4053.0	25.620.1053.0	25.621.4053.0	25.621.1053.0
50	52.30	42.70	38.10	11	25.620.4153.0	25.620.1153.0	25.621.4153.0	25.621.1153.0
50	56.11	46.51	41.91	12	25.620.4253.0	25.620.1253.0	25.621.4253.0	25.621.1253.0
50	59.92	50.32	45.72	13	25.620.4353.0	25.620.1353.0	25.621.4353.0	25.621.1353.0
50	63.73	54.13	49.53	14	25.620.4453.0	25.620.1453.0	25.621.4453.0	25.621.1453.0
50	67.54	57.94	53.34	15	25.620.4553.0	25.620.1553.0	25.621.4553.0	25.621.1553.0
50	71.35	61.75	57.15	16	25.620.4653.0	25.620.1653.0	25.621.4653.0	25.621.1653.0

Pluggable PCB terminals, spring clamp system, pitch 3.50 mm

cable size

1.5 mm²

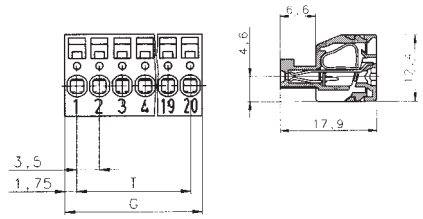
Rated cross section:
1.5 mm²

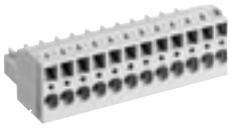
Rated current:
8 A

Wire range:
0.14 – 1.5 mm² single core/finely stranded

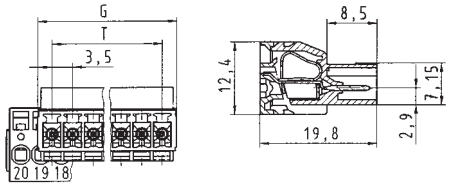
125 V/2.5 kV/3 – overvoltage category III
250 V/2.5 kV/2 – overvoltage category II
*690 V/2.5 kV/1 – overvoltage category I

* max. 600V for non earthed systems or expected overvoltage ≤ 3 kV for L ≥ 2.00 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm





Type 8513 BFK



Type 8513 SUFK

VDE 0110		
UL Data	No. 30 – 16 AWG	300 V 8 A
CSA Data	No. 22 – 14 AWG	300 V 5 A
Approvals		

	Box Qty	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 3.50 mm		Type 8513 BFK			unmarked	marked		
	100	6.90	3.50	2	25.630.3253.0	25.630.0253.0		
	100	10.40	7.00	3	25.630.3353.0	25.630.0353.0		
	50	13.90	10.50	4	25.630.3453.0	25.630.0453.0		
	50	17.40	14.00	5	25.630.3553.0	25.630.0553.0		
	50	20.90	17.50	6	25.630.3653.0	25.630.0653.0		
	50	24.40	21.00	7	25.630.3753.0	25.630.0753.0		
	50	27.90	24.50	8	25.630.3853.0	25.630.0853.0		
	50	31.40	28.00	9	25.630.3953.0	25.630.0953.0		
	50	34.90	31.50	10	25.630.4053.0	25.630.1053.0		
	50	38.40	35.00	11	25.630.4153.0	25.630.1153.0		
	50	41.90	38.50	12	25.630.4253.0	25.630.1253.0		
	50	45.40	42.00	13	25.630.4353.0	25.630.1353.0		
	50	48.90	45.50	14	25.630.4453.0	25.630.1453.0		
	50	52.40	49.00	15	25.630.4553.0	25.630.1553.0		
	50	55.90	52.50	16	25.630.4653.0	25.630.1653.0		
Pitch 3.50 mm		Type 8513 SUFK					unmarked	marked
	100	8.40	3.50	2			25.642.3253.0	25.642.0253.0
	100	11.90	7.00	3			25.642.3353.0	25.642.0353.0
	50	15.40	10.50	4			25.642.3453.0	25.642.0453.0
	50	18.90	14.00	5			25.642.3553.0	25.642.0553.0
	50	22.40	17.50	6			25.642.3653.0	25.642.0653.0
	50	25.90	21.00	7			25.642.3753.0	25.642.0753.0
	50	29.40	24.50	8			25.642.3853.0	25.642.0853.0
	50	32.90	28.00	9			25.642.3953.0	25.642.0953.0
	50	36.40	31.50	10			25.642.4053.0	25.642.1053.0
	50	39.90	35.00	11			25.642.4153.0	25.642.1153.0
	50	43.40	38.50	12			25.642.4253.0	25.642.1253.0
		46.90	42.00	13			25.642.4353.0	25.642.1353.0
		50.40	45.50	14			25.642.4453.0	25.642.1453.0
		53.90	49.00	15			25.642.4553.0	25.642.1553.0
		57.40	52.50	16			25.642.4653.0	25.642.1653.0
Accessories:								
DIN 5264 A 0.4 x 2.5	5				06.502.4300.0			

Pluggable PCB terminals, rising cage clamp system, Pitch 3.81 mm

wiecon PCB

cable size

1.5 mm²

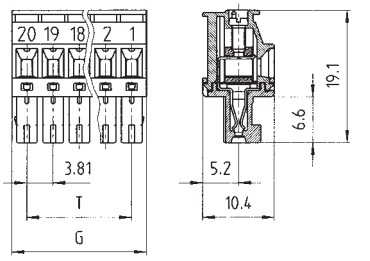
Rated cross section:
1.5 mm²

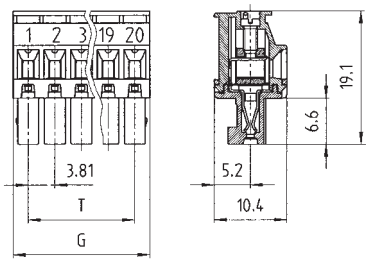
Rated current:
8 A

Wire range:
0.14 – 1.5 mm² single core/finely stranded

125 V/2.5 kV/3 – overvoltage category III
250 V/2.5 kV/2 – overvoltage category II
*690 V/2.5 kV/1 – overvoltage category I

* max. 600V for non earthed systems or expected overvoltage
≤ 3 kV for L ≥ 2.00 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm





Type 8813 B/... VR

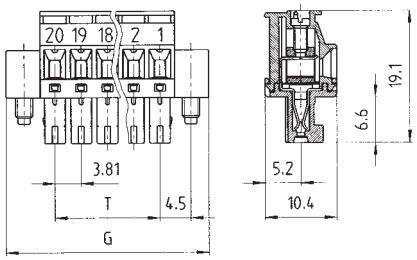
Connection at 90° to conductor

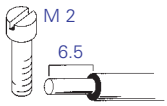
Type 8813 B/... VL

Connection at 90° to conductor

Rated voltages VDE 0110				
UL Data	No. 30 – 16 AWG	300 V	8 A	
CSA Data	No. 22 – 14 AWG	300 V	5 A	
Approvals				

Box Qty	GFL	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 3.81 mm					unmarked	marked	unmarked	marked
100	18.01	8.41	3.81	2	25.622.3253.0	25.622.0253.0	25.624.3253.0	25.624.0253.0
100	21.82	12.22	7.62	3	25.622.3353.0	25.622.0353.0	25.624.3353.0	25.624.0353.0
50	25.63	16.03	11.43	4	25.622.3453.0	25.622.0453.0	25.624.3453.0	25.624.0453.0
50	29.44	19.84	15.24	5	25.622.3553.0	25.622.0553.0	25.624.3553.0	25.624.0553.0
50	33.25	23.65	19.05	6	25.622.3653.0	25.622.0653.0	25.624.3653.0	25.624.0653.0
50	37.06	27.46	22.86	7	25.622.3753.0	25.622.0753.0	25.624.3753.0	25.624.0753.0
50	40.87	31.27	26.67	8	25.622.3853.0	25.622.0853.0	25.624.3853.0	25.624.0853.0
50	44.68	35.08	30.48	9	25.622.3953.0	25.622.0953.0	25.624.3953.0	25.624.0953.0
50	48.49	38.89	34.29	10	25.622.4053.0	25.622.1053.0	25.624.4053.0	25.624.1053.0
50	52.30	42.70	38.10	11	25.622.4153.0	25.622.1153.0	25.624.4153.0	25.624.1153.0
50	56.11	46.51	41.91	12	25.622.4253.0	25.622.1253.0	25.624.4253.0	25.624.1253.0
50	59.92	50.32	45.72	13	25.622.4353.0	25.622.1353.0	25.624.4353.0	25.624.1353.0
50	63.73	54.13	49.53	14	25.622.4453.0	25.622.1453.0	25.624.4453.0	25.624.1453.0
50	67.54	57.94	53.34	15	25.622.4553.0	25.622.1553.0	25.624.4553.0	25.624.1553.0
50	71.35	61.75	57.15	16	25.622.4653.0	25.622.1653.0	25.624.4653.0	25.624.1653.0



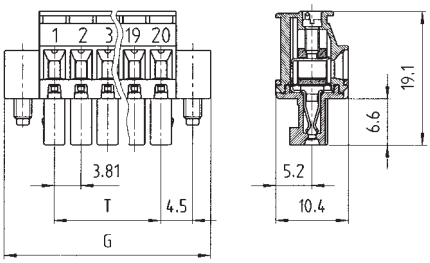


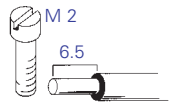
with screw flange

Type 8813 B/... VR F

Connection at 90° to conductor

No. 30 – 16 AWG	300 V	8 A
No. 22 – 14 AWG	300 V	5 A





with screw flange

Type 8813 B/... VL F

Connection at 90° to conductor

No. 30 – 16 AWG	300 V	8 A
No. 22 – 14 AWG	300 V	5 A

Part No. unmarked	Part No. marked	Part No. unmarked	Part No. marked	
25.623.3253.0 25.623.3353.0 25.623.3453.0	25.623.0253.0 25.623.0353.0 25.623.0453.0	25.625.3253.0 25.625.3353.0 25.625.3453.0	25.625.0253.0 25.625.0353.0 25.625.0453.0	
25.623.3553.0 25.623.3653.0 25.623.3753.0	25.623.0553.0 25.623.0653.0 25.623.0753.0	25.625.3553.0 25.625.3653.0 25.625.3753.0	25.625.0553.0 25.625.0653.0 25.625.0753.0	
25.623.3853.0 25.623.3953.0 25.623.4053.0	25.623.0853.0 25.623.0953.0 25.623.1053.0	25.625.3853.0 25.625.3953.0 25.625.4053.0	25.625.0853.0 25.625.0953.0 25.625.1053.0	
25.623.4153.0 25.623.4253.0 25.623.4353.0	25.623.1153.0 25.623.1253.0 25.623.1353.0	25.625.4153.0 25.625.4253.0 25.625.4353.0	25.625.1153.0 25.625.1253.0 25.625.1353.0	
25.623.4453.0 25.623.4553.0 25.623.4653.0	25.623.1453.0 25.623.1553.0 25.640.1653.0	25.625.4453.0 25.625.4553.0 25.625.4653.0	25.625.1453.0 25.625.1553.0 25.625.1653.0	

PCB headers, pitch 3.50/3.81 mm

wiecon PCB

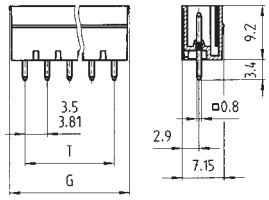
cable size

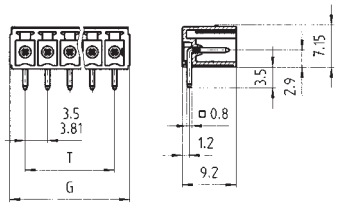
1.5 mm²

Rated current:
8 A

125 V/2.5 kV/3 – overvoltage category III
250 V/2.5 kV/2 – overvoltage category II
*690 V/2.5 kV/1 – overvoltage category I

Approvals for type 8513 have been applied for





* max. 600V for non earthed systems or expected overvoltage
≤ 3 kV for L ≥ 2.00 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm

Solder pin 0.8 x 0.8 mm
Bore hole Ø 1.2 mm

Type 8513 S/... G, 8813 S/... G

Connection vertical to PCB

Solder pin 0.8 x 0.8 mm
Bore hole Ø 1.2 mm

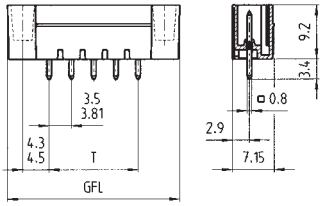
Type 8513 S/... W, 8813 S/... W

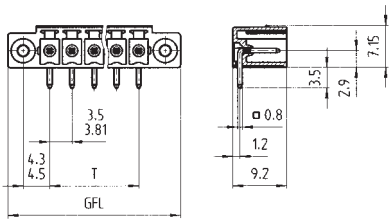
Connection horizontal to PCB

Rated voltages VDE 0110		
UL Data	300 V	8 A
CSA Data	300 V	5 A
Approvals		

	300 V	8 A
	300 V	5 A

Box Qty	GFL	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 3.50 mm					unmarked		unmarked	
100	17.40	8.40	3.50	2	25.646.0253.0		25.647.0253.0	
100	20.90	11.90	7.00	3	25.646.0353.0		25.647.0353.0	
50	24.40	15.40	10.50	4	25.646.0453.0		25.647.0453.0	
50	27.90	18.90	14.00	5	25.646.0553.0		25.647.0553.0	
50	31.40	22.40	17.50	6	25.646.0653.0		25.647.0653.0	
50	34.90	25.90	21.00	7	25.646.0753.0		25.647.0753.0	
50	38.40	29.40	24.50	8	25.646.0853.0		25.647.0853.0	
50	41.90	32.90	28.00	9	25.646.0953.0		25.647.0953.0	
50	45.40	36.40	31.50	10	25.646.1053.0		25.647.1053.0	
50	48.90	39.90	35.00	11	25.646.1153.0		25.647.1153.0	
50	52.40	43.40	38.50	12	25.646.1253.0		25.647.1253.0	
50	55.90	46.90	42.00	13	25.646.1353.0		25.647.1353.0	
50	59.40	50.40	45.50	14	25.646.1453.0		25.647.1453.0	
50	62.90	53.90	49.00	15	25.646.1553.0		25.647.1553.0	
50	66.40	57.40	52.50	16	25.646.1653.0		25.647.1653.0	
Pitch 3.81 mm					unmarked		unmarked	
100	18.01	9.01	3.81	2	25.626.0253.0		25.627.0253.0	
100	21.82	12.82	7.62	3	25.626.0353.0		25.627.0353.0	
50	25.63	16.63	11.43	4	25.626.0453.0		25.627.0453.0	
50	29.44	20.44	15.24	5	25.626.0553.0		25.627.0553.0	
50	33.25	24.25	19.05	6	25.626.0653.0		25.627.0653.0	
50	37.06	28.06	22.86	7	25.626.0753.0		25.627.0753.0	
50	40.87	31.87	26.67	8	25.626.0853.0		25.627.0853.0	
50	44.68	35.68	30.48	9	25.626.0953.0		25.627.0953.0	
50	48.49	39.49	34.29	10	25.626.1053.0		25.627.1053.0	
50	52.30	43.30	38.10	11	25.626.1153.0		25.627.1153.0	
50	56.11	47.11	41.91	12	25.626.1253.0		25.627.1253.0	
50	59.92	50.92	45.72	13	25.626.1353.0		25.627.1353.0	
50	63.73	54.73	49.53	14	25.626.1453.0		25.627.1453.0	
50	67.54	58.54	53.34	15	25.626.1553.0		25.627.1553.0	
50	71.35	62.35	57.15	16	25.626.1653.0		25.627.1653.0	
Accessories:								
Coding part (branch) 100					05.561.0053.0		05.561.0053.0	
When using coding parts, the coding fins on the terminal connector should be removed								





with screw flange

Solder pin 0.8 x 0.8 mm
Bore hole Ø 1.2 mm

Type 8513 S/... GF, 8813 S/... GF

Connection vertical to PCB

300 V 8 A
300 V 5 A

Part No.	Part No.
unmarked	
25.646.3253.0 25.646.3353.0 25.646.3453.0	
25.646.3553.0 25.646.3653.0 25.646.3753.0	
25.646.3853.0 25.646.3953.0 25.646.4053.0	
25.646.4153.0 25.646.4253.0 25.646.4353.0	
25.646.4453.0 25.646.4553.0 25.646.4653.0	
unmarked	
25.626.3253.0 25.626.3353.0 25.626.3453.0	
25.626.3553.0 25.626.3653.0 25.626.3753.0	
25.626.3853.0 25.626.3953.0 25.626.4053.0	
25.626.4153.0 25.626.4253.0 25.626.4353.0	
25.626.4453.0 25.626.4553.0 25.626.4653.0	
05.561.0053.0	

with screw flange

Solder pin 0.8 x 0.8 mm
Bore hole Ø 1.2 mm

Type 8513 S/... WF, 8813 S/... WF

Connection horizontal to PCB

300 V 8 A
300 V 5 A

Part No.	Part No.
unmarked	
25.647.3253.0 25.647.3353.0 25.647.3453.0	
25.647.3553.0 25.647.3653.0 25.647.3753.0	
25.647.3853.0 25.647.3953.0 25.647.4053.0	
25.647.4153.0 25.647.4253.0 25.647.4353.0	
25.647.4453.0 25.647.4553.0 25.647.4653.0	
unmarked	
25.627.3253.0 25.627.3353.0 25.627.3453.0	
25.627.3553.0 25.627.3653.0 25.627.3753.0	
25.627.3853.0 25.627.3953.0 25.627.4053.0	
25.627.4153.0 25.627.4253.0 25.627.4353.0	
25.627.4453.0 25.627.4553.0 25.627.4653.0	
05.561.0053.0	

Pluggable PCB terminals, rising cage clamp, pitch 5.00/5.08 mm

wiecon PCB

cable size

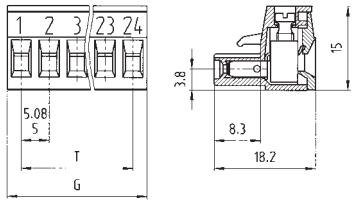
2.5 mm²

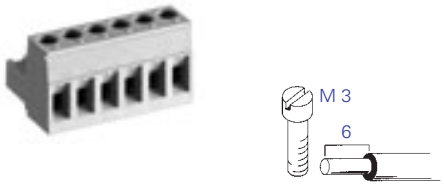
Rated cross section:
2.5 mm²

Rated current:
12 A

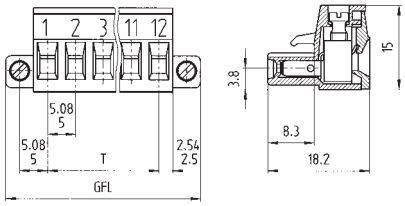
Wire range:
0.14 – 2.5 mm² single core/finely stranded

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





Type 8113 B/.... 8213 B/...
Connection in line with conductor



with screw flange

Type 8113 B/... F, 8213 B/... F
Connection in line with conductor

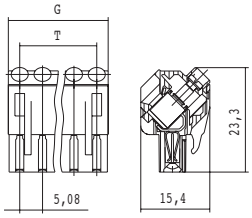
Rated voltages VDE 0110				
UL Data	No. 22 – 12 AWG	300 V	15 A	No. 22 – 12 AWG 300 V 15 A
CSA Data	No. 22 – 12 AWG	300 V	15 A	No. 22 – 12 AWG 300 V 15 A
Approvals				

Box Qty	GFL	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 5.00 mm			Type 8113		unmarked	marked	unmarked	marked
100	20	10	5	2	25.320.3253.0	25.320.0253.0	25.322.3253.0	25.322.0253.0
100	25	15	10	3	25.320.3353.0	25.320.0353.0	25.322.3353.0	25.322.0353.0
50	30	20	15	4	25.320.3453.0	25.320.0453.0	25.322.3453.0	25.322.0453.0
50	35	25	20	5	25.320.3553.0	25.320.0553.0	25.322.3553.0	25.322.0553.0
50	40	30	25	6	25.320.3653.0	25.320.0653.0	25.322.3653.0	25.322.0653.0
50	45	35	30	7	25.320.3753.0	25.320.0753.0	25.322.3753.0	25.322.0753.0
50	50	40	35	8	25.320.3853.0	25.320.0853.0	25.322.3853.0	25.322.0853.0
50	55	45	40	9	25.320.3953.0	25.320.0953.0	25.322.3953.0	25.322.0953.0
50	60	50	45	10	25.320.4053.0	25.320.1053.0	25.322.4053.0	25.322.1053.0
50	65	55	50	11	25.320.4153.0	25.320.1153.0	25.322.4153.0	25.322.1153.0
50	70	60	55	12	25.320.4253.0	25.320.1253.0	25.322.4253.0	25.322.1253.0
50	75	65	60	13	25.320.4353.0	25.320.1353.0	25.322.4353.0	25.322.1353.0
50	80	70	65	14	25.320.4453.0	25.320.1453.0	25.322.4453.0	25.322.1453.0
50	85	75	70	15	25.320.4553.0	25.320.1553.0	25.322.4553.0	25.322.1553.0
50	90	80	75	16	25.320.4653.0	25.320.1653.0	25.322.4653.0	25.322.1653.0
					17 to 24 pole on request		17 to 22 pole on request	
Pitch 5.08 mm			Type 8213		unmarked	marked	unmarked	marked
100	20.32	10.16	5.08	2	25.340.3253.0	25.340.0253.0	25.323.3253.0	25.323.0253.0
100	25.40	15.24	10.16	3	25.340.3353.0	25.340.0353.0	25.323.3353.0	25.323.0353.0
50	30.48	20.32	15.24	4	25.340.3453.0	25.340.0453.0	25.323.3453.0	25.323.0453.0
50	35.56	25.40	20.32	5	25.340.3553.0	25.340.0553.0	25.323.3553.0	25.323.0553.0
50	40.64	30.48	25.40	6	25.340.3653.0	25.340.0653.0	25.323.3653.0	25.323.0653.0
50	45.72	35.56	30.48	7	25.340.3753.0	25.340.0753.0	25.323.3753.0	25.323.0753.0
50	50.80	40.64	35.56	8	25.340.3853.0	25.340.0853.0	25.323.3853.0	25.323.0853.0
50	55.88	45.72	40.64	9	25.340.3953.0	25.340.0953.0	25.323.3953.0	25.323.0953.0
50	60.96	50.80	45.72	10	25.340.4053.0	25.340.1053.0	25.323.4053.0	25.323.1053.0
50	66.04	55.88	50.80	11	25.340.4153.0	25.340.1153.0	25.323.4153.0	25.323.1153.0
50	71.12	60.96	55.88	12	25.340.4253.0	25.340.1253.0	25.323.4253.0	25.323.1253.0
50	76.20	66.04	60.96	13	25.340.4353.0	25.340.1353.0	25.323.4353.0	25.323.1353.0
50	81.28	71.12	66.04	14	25.340.4453.0	25.340.1453.0	25.323.4453.0	25.323.1453.0
50	86.36	76.20	71.12	15	25.340.4553.0	25.340.1553.0	25.323.4553.0	25.323.1553.0
50	91.44	81.28	76.20	16	25.340.4653.0	25.340.1653.0	25.323.4653.0	25.323.1653.0
							17 to 22 pole on request	
Accessories:								
Coding part (branch)	100				05.561.9153.0		05.561.9153.0	

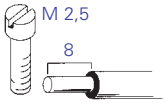
Rated cross section:
2.5 mm²

Rated current:
12 A
based on ambient temperature of 20 °C, rated cross-section and max. number of poles

Wire range:
0.5 – 2.5 mm² single core/finely stranded



250 V/4 kV/3 – overvoltage category III
400 V/4 kV/2 – overvoltage category II
400 V/4 kV/1 – overvoltage category I



Type 8213 B/...S

Rated voltages VDE 0110/1.89			
UL Data	No. 28 – 12 AWG	300 V	10 A
CSA Data	No. 28 – 12 AWG	300 V	10 A
Approvals			

Box Qty	GFL	G	T	Pole	Part No.	Part No.	
Pitch 5.08 mm					unmarked		
100		10.16	5.08	2	27.341.3253.0		
100		15.24	10.16	3	27.341.3353.0		
50		20.32	15.24	4	27.341.3453.0		
50		25.40	20.32	5	27.341.3553.0		
50		30.48	25.40	6	27.341.3653.0		
50		35.56	30.48	7	27.341.3753.0		
50		40.64	35.56	8	27.341.3853.0		
50		45.72	40.64	9	27.341.3953.0		
50		50.80	45.72	10	27.341.4053.0		
50		55.88	50.80	11	27.341.4153.0		
50		60.96	55.88	12	27.341.4253.0		
50		66.04	60.96	13	27.341.4353.0		
50		71.12	66.04	14	27.341.4453.0		
50		76.20	71.12	15	27.341.4553.0		
50		81.28	76.20	16	27.341.4653.0		
					17 to 24 pole on request		
					Coding available upon request		

Pluggable PCB terminals, rising cage clamp system, Pitch 7.50/7.62 mm

wiecon PCB

cable size

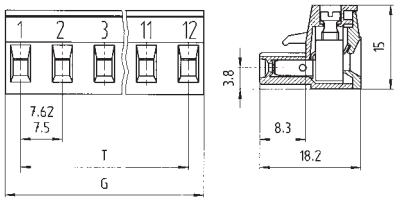
2.5 mm²

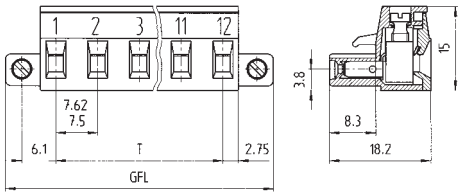
Rated cross section:
2.5 mm²

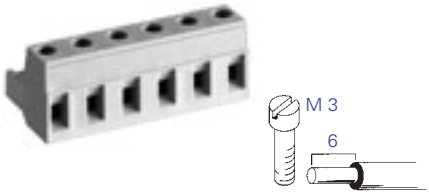
Rated current:
12 A

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

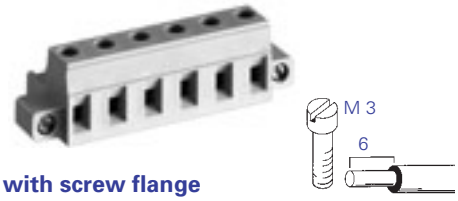
400 V/4 kV/3 – overvoltage category III
690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I







Type 8313 B/..., 8413 B/...
Connection in line with conductor



with screw flange

Type 8313 B/... F, 8413 B/... F
Connection in line with conductor

Rated voltages VDE 0110				
UL Data	No. 22 – 12 AWG	300 V	15 A	No. 22 – 12 AWG 300 V 15 A
CSA Data	No. 22 – 12 AWG	300 V	15 A	No. 22 – 12 AWG 300 V 15 A
Approvals				

Box Qty	GFL	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 7.50 mm			Type 8313		unmarked	marked	unmarked	marked
100	25.54	13.00	7.50	2	25.360.3253.0	25.360.0253.0	25.324.2253.0	25.324.0253.0
100	33.04	20.50	15.00	3	25.360.3353.0	25.360.0353.0	25.324.2353.0	25.324.0353.0
50	40.54	28.00	22.50	4	25.360.3453.0	25.360.0453.0	25.324.2453.0	25.324.0453.0
50	48.04	35.50	30.00	5	25.360.3553.0	25.360.0553.0	25.324.2553.0	25.324.0553.0
50	55.54	43.00	37.50	6	25.360.3653.0	25.360.0653.0	25.324.2653.0	25.324.0653.0
50	63.04	50.50	45.00	7	25.360.3753.0	25.360.0753.0	25.324.2753.0	25.324.0753.0
50	70.54	58.00	52.50	8	25.360.3853.0	25.360.0853.0	25.324.2853.0	25.324.0853.0
50	78.04	65.50	60.00	9	25.360.3953.0	25.360.0953.0	25.324.2953.0	25.324.0953.0
50	85.54	73.00	67.50	10	25.360.4053.0	25.360.1053.0	25.324.3053.0	25.324.1053.0
50	93.04	80.50	75.00	11	25.360.4153.0	25.360.1153.0	25.324.3153.0	25.324.1153.0
50	100.54	88.00	82.50	12	25.360.4253.0	25.360.1253.0	25.324.3253.0	25.324.1253.0
Pitch 7.62 mm			Type 8413		unmarked	marked	unmarked	marked
100	25.66	13.12	7.62	2	25.380.3253.0	25.380.0253.0	25.324.6253.0	25.324.4253.0
100	33.28	20.74	15.24	3	25.380.3353.0	25.380.0353.0	25.324.6353.0	25.324.4353.0
50	40.90	28.36	22.86	4	25.380.3453.0	25.380.0453.0	25.324.6453.0	25.324.4453.0
50	48.52	35.98	30.48	5	25.380.3553.0	25.380.0553.0	25.324.6553.0	25.324.4553.0
50	56.14	43.60	38.10	6	25.380.3653.0	25.380.0653.0	25.324.6653.0	25.324.4653.0
50	63.76	51.22	45.72	7	25.380.3753.0	25.380.0753.0	25.324.6753.0	25.324.4753.0
50	71.38	58.84	53.34	8	25.380.3853.0	25.380.0853.0	25.324.6853.0	25.324.4853.0
50	79.00	66.46	60.96	9	25.380.3953.0	25.380.0953.0	25.324.6953.0	25.324.4953.0
50	86.62	74.08	68.58	10	25.380.4053.0	25.380.1053.0	25.324.7053.0	25.324.5053.0
50	94.24	81.70	76.20	11	25.380.4153.0	25.380.1153.0	25.324.7153.0	25.324.5153.0
50	101.86	89.32	83.82	12	25.380.4253.0	25.380.1253.0	25.324.7253.0	25.324.5253.0
Accessories:								
Coding part (branch) 100					05.561.9153.0		05.561.9153.0	

Pluggable PCB terminals, rising cage clamp system, Pitch 5.00/5.08 mm

cable size

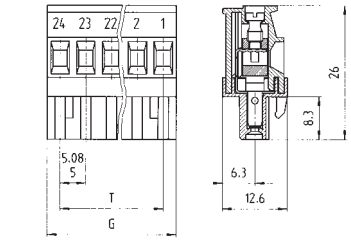
2.5 mm²

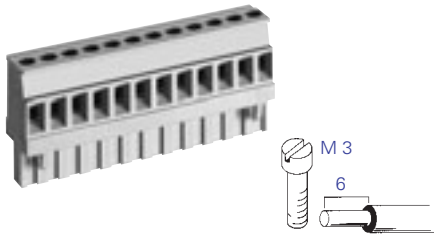
Rated cross section:
2.5 mm²

Rated current:
12 A

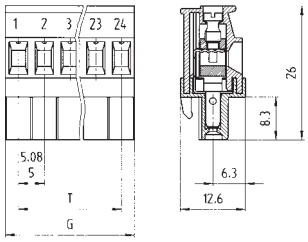
Wire range:
0.14 – 2.5 mm² single core/finely stranded

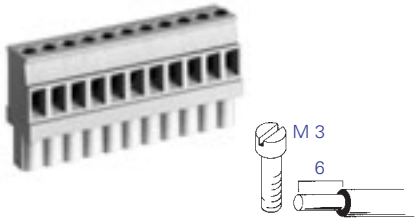
250 V/4 kV/3 – overvoltage category III
400 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I





Type 8113 B/... VR, 8213 B/... VR
Connection 90° to conductor





Type 8113 B/... VL, 8213 B/... VL
Connection 90° to conductor

Rated voltages VDE 0110			
UL Data	No. 22 – 12 AWG	300 V	15 A
CSA Data	No. 22 – 12 AWG	300 V	15 A
Approvals			

	Box Qty	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 5.00 mm			Type 8113		unmarked	marked	unmarked	marked
	100	10	5	2	25.325.3253.0	25.325.0253.0	25.326.3253.0	25.326.0253.0
	100	15	10	3	25.325.3353.0	25.325.0353.0	25.326.3353.0	25.326.0353.0
	50	20	15	4	25.325.3453.0	25.325.0453.0	25.326.3453.0	25.326.0453.0
	50	25	20	5	25.325.3553.0	25.325.0553.0	25.326.3553.0	25.326.0553.0
	50	30	25	6	25.325.3653.0	25.325.0653.0	25.326.3653.0	25.326.0653.0
	50	35	30	7	25.325.3753.0	25.325.0753.0	25.326.3753.0	25.326.0753.0
	50	40	35	8	25.325.3853.0	25.325.0853.0	25.326.3853.0	25.326.0853.0
	50	45	40	9	25.325.3953.0	25.325.0953.0	25.326.3953.0	25.326.0953.0
	50	50	45	10	25.325.4053.0	25.325.1053.0	25.326.4053.0	25.326.1053.0
	50	55	50	11	25.325.4153.0	25.325.1153.0	25.326.4153.0	25.326.1153.0
	50	60	55	12	25.325.4253.0	25.325.1253.0	25.326.4253.0	25.326.1253.0
	50	65	60	13	25.325.4353.0	25.325.1353.0	25.326.4353.0	25.326.1353.0
	50	70	65	14	25.325.4453.0	25.325.1453.0	25.326.4453.0	25.326.1453.0
	50	75	70	15	25.325.4553.0	25.325.1553.0	25.326.4553.0	25.326.1553.0
	50	80	75	16	25.325.4653.0	25.325.1653.0	25.326.4653.0	25.326.1653.0
		17 to 24 pole on request						
Pitch 5.08 mm			Type 8213		unmarked	marked	unmarked	marked
	100	10.16	5.08	2	25.345.3253.0	25.345.0253.0	25.346.3253.0	25.346.0253.0
	100	15.24	10.16	3	25.345.3353.0	25.345.0353.0	25.346.3353.0	25.346.0353.0
	50	20.32	15.24	4	25.345.3453.0	25.345.0453.0	25.346.3453.0	25.346.0453.0
	50	25.40	20.32	5	25.345.3553.0	25.345.0553.0	25.346.3553.0	25.346.0553.0
	50	30.48	25.40	6	25.345.3653.0	25.345.0653.0	25.346.3653.0	25.346.0653.0
	50	35.56	30.48	7	25.345.3753.0	25.345.0753.0	25.346.3753.0	25.346.0753.0
	50	40.64	35.56	8	25.345.3853.0	25.345.0853.0	25.346.3853.0	25.346.0853.0
	50	45.72	40.64	9	25.345.3953.0	25.345.0953.0	25.346.3953.0	25.346.0953.0
	50	50.80	45.72	10	25.345.4053.0	25.345.1053.0	25.346.4053.0	25.346.1053.0
	50	55.88	50.80	11	25.345.4153.0	25.345.1153.0	25.346.4153.0	25.346.1153.0
	50	60.96	55.88	12	25.345.4253.0	25.345.1253.0	25.346.4253.0	25.346.1253.0
	50	66.04	60.96	13	25.345.4353.0	25.345.1353.0	25.346.4353.0	25.346.1353.0
	50	71.12	66.04	14	25.345.4453.0	25.345.1453.0	25.346.4453.0	25.346.1453.0
	50	76.20	71.12	15	25.345.4553.0	25.345.1553.0	25.346.4553.0	25.346.1553.0
	50	81.28	76.20	16	25.345.4653.0	25.345.1653.0	25.346.4653.0	25.346.1653.0
		17 to 24 pole on request						
Accessories:								
Coding part (branch)	100				05.561.9153.0		05.561.9153.0	

Pluggable PCB terminals, rising cage clamp system, pitch 7.62 mm

wiecon PCB

cable size

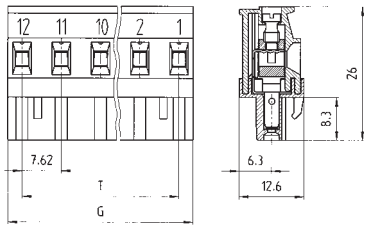
2.5 mm²

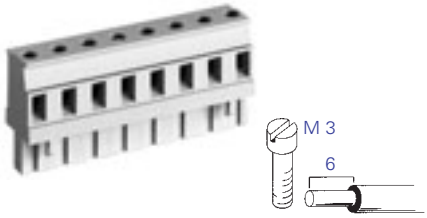
Rated cross section:
2.5 mm²

Rated current:
12 A

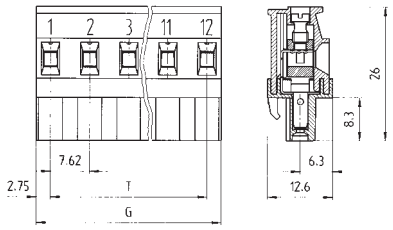
Wire range:
0.14 – 2.5 mm² single core/finely stranded

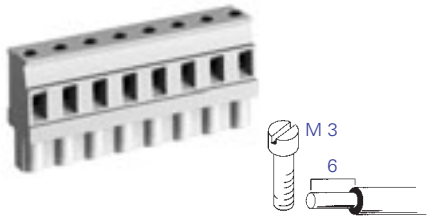
400 V/4 kV/3 – overvoltage category III
690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I





Type 8413 B/... VR
Connection 90° to conductor





Type 8413 B/... VL
Connection 90° to conductor

Rated voltages VDE 0110			
UL Data	No. 22 – 12 AWG	300 V	15 A
CSA Data	No. 22 – 12 AWG	300 V	15 A
Approvals			

	Box Qty	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 7.62 mm			Type 8413		unmarked	marked	unmarked	marked
	100	13.12	7.62	2	25.385.2253.0	25.385.0253.0	25.386.2253.0	25.386.0253.0
	100	20.74	15.24	3	25.385.2353.0	25.385.0353.0	25.386.2353.0	25.386.0353.0
	50	28.36	22.86	4	25.385.2453.0	25.385.0453.0	25.386.2453.0	25.386.0453.0
	50	35.98	30.48	5	25.385.2553.0	25.385.0553.0	25.386.2553.0	25.386.0553.0
	50	43.60	38.10	6	25.385.2653.0	25.385.0653.0	25.386.2653.0	25.386.0653.0
	50	51.22	45.72	7	25.385.2753.0	25.385.0753.0	25.386.2753.0	25.386.0753.0
	50	58.84	53.34	8	25.385.2853.0	25.385.0853.0	25.386.2853.0	25.386.0853.0
	50	66.46	60.96	9	25.385.2953.0	25.385.0953.0	25.386.2953.0	25.386.0953.0
	50	74.08	68.58	10	25.385.3053.0	25.385.1053.0	25.386.3053.0	25.386.1053.0
	50	81.70	76.20	11	25.385.3153.0	25.385.1153.0	25.386.3153.0	25.386.1153.0
	50	89.32	83.82	12	25.385.3253.0	25.385.1253.0	25.386.3253.0	25.386.1253.0
Accessories:								
Coding part (branch)	100				05.561.9153.0		05.561.9153.0	

Crimp connection

wiecon

Rated cross section:
2.5 mm²

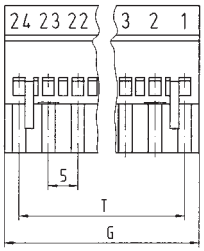
Rated current:
10 A when using a 1.0 mm² Leiter

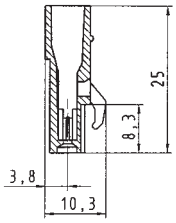
12 A when using a 2.5 mm² Leiter

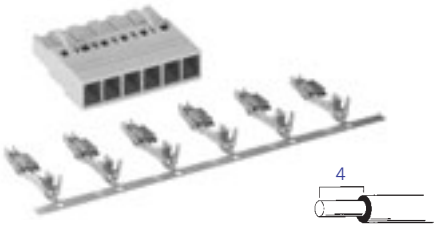
Contact for wire range:
0.5 – 1.0 mm² finely stranded
(Diameter of insulation 1.4 – 2.3 mm)

Wire range:
1.5 – 2.5 mm² finely stranded
(Diameter of insulation 1.4 – 3.1 mm)

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







Type 8113 BK

Rated voltages VDE 0110
UL Data
CSA Data
Approvals

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked	Part No.	Part No.
Pitch 5.00 mm							
100	10	5	2	01.060.3253.0	01.060.0253.0		
100	15	10	3	01.060.3353.0	01.060.0353.0		
50	20	15	4	01.060.3453.0	01.060.0453.0		
50	25	20	5	01.060.3553.0	01.060.0553.0		
50	30	25	6	01.060.3653.0	01.060.0653.0		
50	35	30	7	01.060.3753.0	01.060.0753.0		
50	40	35	8	01.060.3853.0	01.060.0853.0		
50	45	40	9	01.060.3953.0	01.060.0953.0		
50	50	45	10	01.060.4053.0	01.060.1053.0		
50	55	50	11	01.060.4153.0	01.060.1153.0		
50	60	55	12	01.060.4253.0	01.060.1253.0		
50	65	60	13	01.060.4353.0	01.060.1353.0		
50	70	65	14	01.060.4453.0	01.060.1453.0		
50	75	70	15	01.060.4553.0	01.060.1553.0		
50	80	75	16	01.060.4653.0	01.060.1653.0		
				17 to 24 pole on request			
Accessories:							
Crimp contacts							
Single contacts 500		0.5 – 1.0 mm²		02.125.1629.0			
Single contacts 500		1.5 – 2.5 mm²		02.125.1729.0			
Strip 4000		0.5 – 1.0 mm²		02.125.1600.0			
Strip 3500		1.5 – 2.5 mm²		02.125.1700.0			
Crimping tool:							
Crimping tool				95.101.0800.0			
Crimp dies				05.502.2500.0			

Pluggable PCB terminals – spring clamp system pitch 5.00/5.08 mm

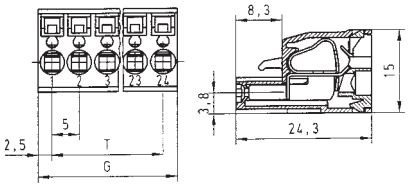
wiecon PCB

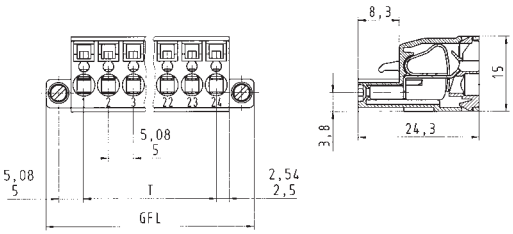
Rated cross section*:
2.5 mm²

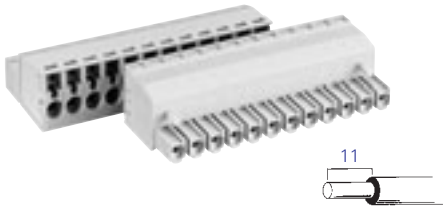
Rated current:
12 A

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

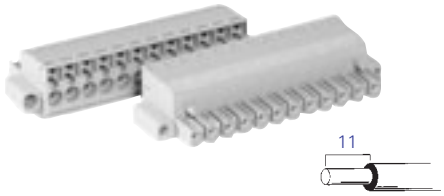
250 V/4 kV/3 – overvoltage category III
400 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I







Type 8113/8213 BFK



Type 8113/8213 BFK .../F

* When using ferrules for wire range 2.5 mm, only ferrules with part number 2.5 mm 05.596.6127.0 should be used.

Rated voltages VDE 0110
UL Data — No. 22 – 12 AWG — 300 V — 12 A
CSA Data
Approvals

Box Qty	GFL	G	T	Pole	Part No. unmarked	Part No. marked	Part No. unmarked	Part No. marked
Pitch 5.00 mm								
100	22.54	10	5	2	25.820.3253.0	25.820.0253.0	25.821.3253.0	25.821.0253.0
100	27.54	15	10	3	25.820.3353.0	25.820.0353.0	25.821.3353.0	25.821.0353.0
50	32.54	20	15	4	25.820.3453.0	25.820.0453.0	25.821.3453.0	25.821.0453.0
50	37.54	25	20	5	25.820.3553.0	25.820.0553.0	25.821.3553.0	25.821.0553.0
50	42.54	30	25	6	25.820.3653.0	25.820.0653.0	25.821.3653.0	25.821.0653.0
50	47.54	35	30	7	25.820.3753.0	25.820.0753.0	25.821.3753.0	25.821.0753.0
50	52.54	40	35	8	25.820.3853.0	25.820.0853.0	25.821.3853.0	25.821.0853.0
50	57.54	45	40	9	25.820.3953.0	25.820.0953.0	25.821.3953.0	25.821.0953.0
50	62.54	50	45	10	25.820.4053.0	25.820.1053.0	25.821.4053.0	25.821.1053.0
50	67.54	55	50	11	25.820.4153.0	25.820.1153.0	25.821.4153.0	25.821.1153.0
50	72.54	60	55	12	25.820.4253.0	25.820.1253.0	25.821.4253.0	25.821.1253.0
50	77.54	65	60	13	25.820.4353.0	25.820.1353.0	25.821.4353.0	25.821.1353.0
50	82.54	70	65	14	25.820.4453.0	25.820.1453.0	25.821.4453.0	25.821.1453.0
50	87.54	75	70	15	25.820.4553.0	25.820.1553.0	25.821.4553.0	25.821.1553.0
50	92.54	80	75	16	25.820.4653.0	25.820.1653.0	25.821.4653.0	25.821.1653.0
					17 to 24 pole on request		17 to 24 pole on request	
Pitch 5.08 mm					unmarked	marked	unmarked	marked
100	22.70	10.16	5.08	2	25.840.3253.0	25.840.0253.0	25.841.3253.0	25.841.0253.0
100	27.78	15.24	10.16	3	25.840.3353.0	25.840.0353.0	25.841.3353.0	25.841.0353.0
50	32.86	20.32	15.24	4	25.840.3453.0	25.840.0453.0	25.841.3453.0	25.841.0453.0
50	37.94	25.40	20.32	5	25.840.3553.0	25.840.0553.0	25.841.3553.0	25.841.0553.0
50	43.02	30.48	25.40	6	25.840.3653.0	25.840.0653.0	25.841.3653.0	25.841.0653.0
50	48.10	35.56	30.48	7	25.840.3753.0	25.840.0753.0	25.841.3753.0	25.841.0753.0
50	53.18	40.64	35.56	8	25.840.3853.0	25.840.0853.0	25.841.3853.0	25.841.0853.0
50	58.26	45.72	40.64	9	25.840.3953.0	25.840.0953.0	25.841.3953.0	25.841.0953.0
50	63.34	50.80	45.72	10	25.840.4053.0	25.840.1053.0	25.841.4053.0	25.841.1053.0
50	68.42	55.88	50.80	11	25.840.4153.0	25.840.1153.0	25.841.4153.0	25.841.1153.0
50	73.50	60.96	55.88	12	25.840.4253.0	25.840.1253.0	25.841.4253.0	25.841.1253.0
50	78.58	66.04	60.96	13	25.840.4353.0	25.840.1353.0	25.841.4353.0	25.841.1353.0
50	83.66	71.12	66.04	14	25.840.4453.0	25.840.1453.0	25.841.4453.0	25.841.1453.0
50	88.74	76.20	71.12	15	25.840.4553.0	25.840.1553.0	25.841.4553.0	25.841.1553.0
50	93.82	81.28	76.20	16	25.840.4653.0	25.840.1653.0	25.841.4653.0	25.841.1653.0
					17 to 24 pole on request		17 to 24 pole on request	

Pluggable PCB terminal - spring clamp system pitch 5.08 mm

wiecon

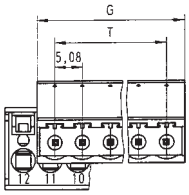
cable size

2.5 mm²

Rated cross section*:
2.5 mm²

Rated current:
12 A

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



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

* When using ferrules for wire range 2.5 mm, only ferrules with part number 2.5 mm 05.596.6127.0 should be used.

Type 8213 SUFK

Rated voltages VDE 0110			
UL Data	No. 22 – 12 AWG	300 V	12 A
CSA Data	No. 22 – 12 AWG	300 V	12 A
Approvals in preparation			

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked
Pitch 5.08 mm					
100	10.16	5.08	2	25.857.3253.0	25.857.0253.0
100	15.24	10.16	3	25.857.3353.0	25.857.0353.0
50	20.32	15.24	4	25.857.3453.0	25.857.0453.0
50	25.40	20.32	5	25.857.3553.0	25.857.0553.0
50	30.48	25.40	6	25.857.3653.0	25.857.0653.0
50	35.56	30.48	7	25.857.3753.0	25.857.0753.0
50	40.64	35.56	8	25.857.3853.0	25.857.0853.0
50	45.72	40.64	9	25.857.3953.0	25.857.0953.0
50	50.80	45.72	10	25.857.4053.0	25.857.1053.0
50	55.88	50.80	11	25.857.4153.0	25.857.1153.0
50	60.96	55.88	12	25.857.4253.0	25.857.1253.0
50	66.04	60.96	13	25.857.4353.0	25.857.1353.0
50	71.12	66.04	14	25.857.4453.0	25.857.1453.0
50	76.20	71.12	15	25.857.4553.0	25.857.1553.0
50	81.28	76.20	16	25.857.4653.0	25.857.1653.0
	17 to 24 pole on request				
Accessories:					
Coding part (branch) 100				05.561.9153.0	
Screwdriver DIN 5264 A 0.6 x 3.5 5				06.502.4000.0	

Pluggable PCB terminal - spring clamp system pitch 7.62 mm

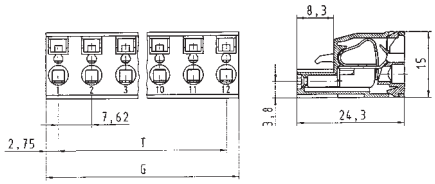
wiecon PCB

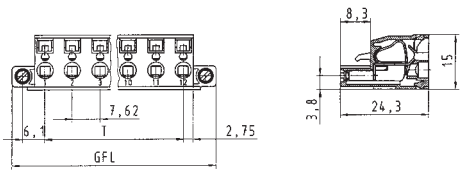
Rated cross section*:
2.5 mm²

Rated current:
12 A

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

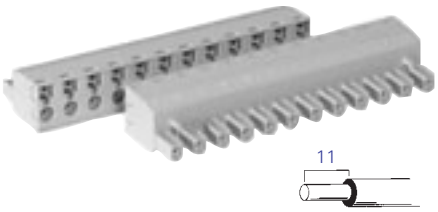
400 V/6 kV/3 – overvoltage category III
** 690 V/6 kV/2 – overvoltage category II
1000 V/6 kV/1 – overvoltage category I

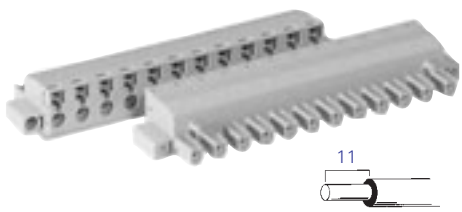




* When using ferrules for wire range 2.5 mm, only ferrules with part number 05.596.6127.0 should be used.

** max. 600 V for non-earthed systems or expected overvoltage ≤ 3 kV for L ≥ 2.00 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm





Type 8413 BFK

Type 8413 BFK/... F

VDE 0110		
UL Data	No. 22 – 12 AWG	300 V 12 A
CSA Data		
Approvals		

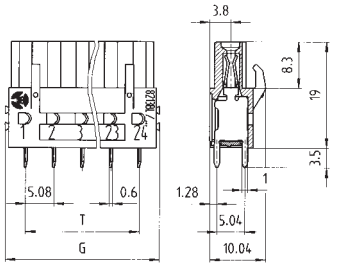
Box Qty	GFL	G	T	Pole	Part No. unmarked	Part No. marked	Part No. unmarked	Part No. marked
Pitch 7.62 mm								
100	25.66	13.12	7.62	2	25.880.3253.0	25.880.0253.0	25.881.3253.0	25.881.0253.0
100	33.28	20.74	15.24	3	25.880.3353.0	25.880.0353.0	25.881.3353.0	25.881.0353.0
50	40.90	28.36	22.86	4	25.880.3453.0	25.880.0453.0	25.881.3453.0	25.881.0453.0
50	48.52	35.98	30.48	5	25.880.3553.0	25.880.0553.0	25.881.3553.0	25.881.0553.0
50	56.14	43.60	38.10	6	25.880.3653.0	25.880.0653.0	25.881.3653.0	25.881.0653.0
50	63.76	51.22	45.72	7	25.880.3753.0	25.880.0753.0	25.881.3753.0	25.881.0753.0
50	71.38	58.84	53.34	8	25.880.3853.0	25.880.0853.0	25.881.3853.0	25.881.0853.0
50	79.00	66.46	60.96	9	25.880.3953.0	25.880.0953.0	25.881.3953.0	25.881.0953.0
50	86.62	74.08	68.58	10	25.880.4053.0	25.880.1053.0	25.881.4053.0	25.881.1053.0
50	94.24	81.70	76.20	11	25.880.4153.0	25.880.1153.0	25.881.4153.0	25.881.1153.0
50	101.86	89.32	83.82	12	25.880.4253.0	25.880.1253.0	25.881.4253.0	25.881.1253.0

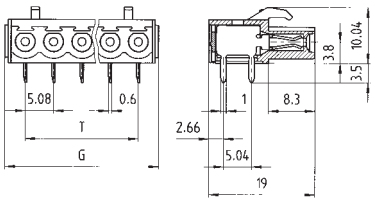
Pluggable PCB terminal, inverted header, solder version pitch 5.08 mm

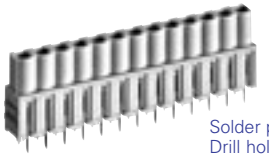
cable size

Rated current:
12 A

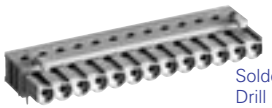
250 V/4 kV/3 – overvoltage category III
*690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I







Solder pin 0.6 x 1 mm
Drill hole Ø 1.2 mm



Solder pin 0.6 x 1 mm
Drill hole Ø 1.2 mm

* max. 600V for non earthed systems or expected overvoltage ≤ 3 kV for L ≥ 2.00 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm

Type 8213 BL/... G

Connection vertical to PCB

Type 8213 BL/... W

Connection vertical to PCB

Rated voltages VDE 0110		
UL Data	300 V	15 A
CSA Data	300 V	15 A
Approvals		

Box Qty	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 5.08 mm				unmarked	marked	unmarked	marked
100	12.36	5.08	2	25.342.3253.0	25.342.0253.0	25.343.3253.0	25.343.0253.0
100	17.44	10.16	3	25.342.3353.0	25.342.0353.0	25.343.3353.0	25.343.0353.0
50	22.52	15.24	4	25.342.3453.0	25.342.0453.0	25.343.3453.0	25.343.0453.0
50	27.60	20.32	5	25.342.3553.0	25.342.0553.0	25.343.3553.0	25.343.0553.0
50	32.68	25.40	6	25.342.3653.0	25.342.0653.0	25.343.3653.0	25.343.0653.0
50	37.76	30.48	7	25.342.3753.0	25.342.0753.0	25.343.3753.0	25.343.0753.0
50	42.84	35.56	8	25.342.3853.0	25.342.0853.0	25.343.3853.0	25.343.0853.0
50	47.92	40.64	9	25.342.3953.0	25.342.0953.0	25.343.3953.0	25.343.0953.0
50	53.00	45.72	10	25.342.4053.0	25.342.1053.0	25.343.4053.0	25.343.1053.0
50	58.08	50.80	11	25.342.4153.0	25.342.1153.0	25.343.4153.0	25.343.1153.0
50	63.16	55.88	12	25.342.4253.0	25.342.1253.0	25.343.4253.0	25.343.1253.0
50	68.24	60.96	13	25.342.4353.0	25.342.1353.0	25.343.4353.0	25.343.1353.0
50	73.32	66.04	14	25.342.4453.0	25.342.1453.0	25.343.4453.0	25.343.1453.0
50	78.40	71.12	15	25.342.4553.0	25.342.1553.0	25.343.4553.0	25.343.1553.0
50	83.48	76.20	16	25.342.4653.0	25.342.1653.0	25.343.4653.0	25.343.1653.0
	17 to 24 pole on request						
Accessories:							
Coding part (branch)	100			05.561.9153.0		05.561.9153.0	
Mounting bracket	100			Z5.523.7853.0		Z5.523.7753.0	

Pluggable PCB terminals, TOP connection system pitch 5.00/5.08 mm

wiecon PCB

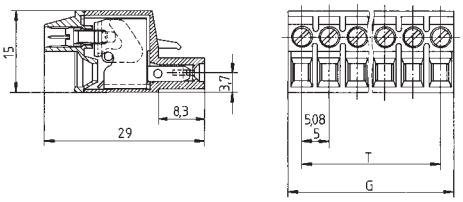
Rated cross section:
2.5 mm²

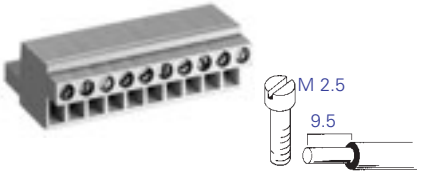
Rated current:
12 A, On state current 2.2 mA per LED

Rated voltages:
Type 8113 B/... TOP, 8213 B/... TOP
250 V/4 kV/3 – overvoltage category III
400 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I

Type 8113 B/... TOP LED
24 V/4 kV/3 – overvoltage category III
24 V/4 kV/2 – overvoltage category II
24 V/4 kV/1 – overvoltage category I

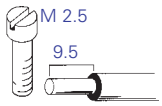
Wire range:
0.14 – 2.5 mm² single core/finely stranded





Type 8113 B/... TOP, 8213 B/... TOP
Connection in line with conductor

TOP connector with LED common negative pole



Type 8113 B/... TOP LED
Connection in line with conductor

Rated voltages VDE 0110					
UL Data	No. 22 – 12 AWG	300 V	15 A	No. 22 – 12 AWG	24 V	15 A
CSA Data	No. 22 – 12 AWG	300 V	15 A	No. 22 – 12 AWG	24 V	15 A
Approvals					

Box Qty	TOP	G	T	Pole	Part No.	Part No.	Part No.	Part No.
Pitch 5.00 mm					unmarked	marked	unmarked	marked
100	250	10	5	2	25.220.3253.0	25.220.0253.0	25.230.3253.0	25.230.0253.0
100	250	15	10	3	25.220.3353.0	25.220.0353.0	25.230.3353.0	25.230.0353.0
50	200	20	15	4	25.220.3453.0	25.220.0453.0	25.230.3453.0	25.230.0453.0
50	200	25	20	5	25.220.3553.0	25.220.0553.0	25.230.3553.0	25.230.0553.0
50	200	30	25	6	25.220.3653.0	25.220.0653.0	25.230.3653.0	25.230.0653.0
50	100	35	30	7	25.220.3753.0	25.220.0753.0	25.230.3753.0	25.230.0753.0
50	100	40	35	8	25.220.3853.0	25.220.0853.0	25.230.3853.0	25.230.0853.0
50	100	45	40	9	25.220.3953.0	25.220.0953.0	25.230.3953.0	25.230.0953.0
50	100	50	45	10	25.220.4053.0	25.220.1053.0	25.230.4053.0	25.230.1053.0
50	100	55	50	11	25.220.4153.0	25.220.1153.0	25.230.4153.0	25.230.1153.0
50	100	60	55	12	25.220.4253.0	25.220.1253.0	25.230.4253.0	25.230.1253.0
50	50	65	60	13	25.220.4353.0	25.220.1353.0	25.230.4353.0	25.230.1353.0
50	50	70	65	14	25.220.4453.0	25.220.1453.0	25.230.4453.0	25.230.1453.0
50	50	75	70	15	25.220.4553.0	25.220.1553.0	25.230.4553.0	25.230.1553.0
50	50	80	75	16	25.220.4653.0	25.220.1653.0	25.230.4653.0	25.230.1653.0
			117 to 24 pole on request					
Pitch 5.08 mm					unmarked	marked		
100	250	10.16	5.08	2	25.240.3253.0	25.240.0253.0		
100	250	15.24	10.16	3	25.240.3353.0	25.240.0353.0		
50	200	20.32	15.24	4	25.240.3453.0	25.240.0453.0		
50	200	25.40	20.32	5	25.240.3553.0	25.240.0553.0		
50	200	30.48	25.40	6	25.240.3653.0	25.240.0653.0		
50	100	35.56	30.48	7	25.240.3753.0	25.240.0753.0		
50	100	40.64	35.56	8	25.240.3853.0	25.240.0853.0		
50	100	45.72	40.64	9	25.240.3953.0	25.240.0953.0		
50	100	50.80	45.72	10	25.240.4053.0	25.240.1053.0		
50	100	55.88	50.80	11	25.240.4153.0	25.240.1153.0		
50	100	60.96	55.88	12	25.240.4253.0	25.240.1253.0		
50	50	66.04	60.96	13	25.240.4353.0	25.240.1353.0		
50	50	71.12	66.04	14	25.240.4453.0	25.240.1453.0		
50	50	76.20	71.12	15	25.240.4553.0	25.240.1553.0		
50	50	81.28	76.20	16	25.240.4653.0	25.240.1653.0		
			17 to 24 pole on request					

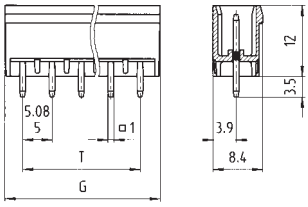
PCB headers
pitch 5.00/5.08 mm

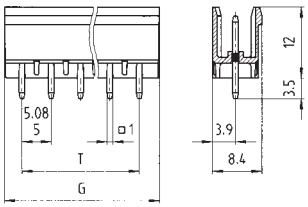
wiecon

cable size

Rated current:
12 A

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





Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

closed version

Type 8113 S/... G, 8213 S/... G

Connection vertical to PCB

Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

open version

Type 8113 S/... GOF, 8213 S/... GOF

Connection vertical to PCB

Rated voltages VDE 0110
UL Data — 300 V 15 A
CSA Data — 300 V 15 A
Approvals

UL Data — 300 V 15 A
CSA Data — 300 V 15 A
Approvals

Box Qty	G	T	Pole	Part No.	G	T	Part No.
Pitch 5.00 mm				unmarked			unmarked
100	10.16	5	2	25.330.3253.0	10	5	99.202.9996.0
100	15.24	10	3	25.330.3353.0	15	10	99.203.9996.0
50	20.32	15	4	25.330.3453.0	20	15	99.204.9996.0
50	25.40	20	5	25.330.3553.0	25	20	99.205.9996.0
50	30.48	25	6	25.330.3653.0	30	25	99.206.9996.0
50	35.56	30	7	25.330.3753.0	35	30	99.207.9996.0
50	40.64	35	8	25.330.3853.0	40	35	99.208.9996.0
50	45.72	40	9	25.330.3953.0	45	40	99.209.9996.0
50	50.80	45	10	25.330.4053.0	50	45	99.210.9996.0
50	55.88	50	11	25.330.4153.0	55	50	99.211.9996.0
50	60.96	55	12	25.330.4253.0	60	55	99.212.9996.0
50	66.04	60	13	25.330.4353.0	65	60	99.213.9996.0
50	71.12	65	14	25.330.4453.0	70	65	99.214.9996.0
50	76.20	70	15	25.330.4553.0	75	70	99.215.9996.0
50	81.28	75	16	25.330.4653.0	80	75	99.216.9996.0
	17 to 24 pole on request						17 to 24 pole on request
Pitch 5.08 mm				unmarked			unmarked
100	11.56	5.08	2	25.350.3253.0	10.16	5.08	99.232.9996.1
100	16.64	10.16	3	25.350.3353.0	15.24	10.16	99.233.9996.1
50	21.72	15.24	4	25.350.3453.0	20.32	15.24	99.234.9996.1
50	26.80	20.32	5	25.350.3553.0	25.40	20.32	99.235.9996.1
50	31.88	25.40	6	25.350.3653.0	30.48	25.40	99.236.9996.1
50	36.96	30.48	7	25.350.3753.0	35.56	30.48	99.237.9996.1
50	42.04	35.56	8	25.350.3853.0	40.64	35.56	99.238.9996.1
50	47.12	40.64	9	25.350.3953.0	45.72	40.64	99.239.9996.1
50	52.20	45.72	10	25.350.4053.0	50.80	45.72	99.240.9996.1
50	57.28	50.80	11	25.350.4153.0	55.88	50.80	99.241.9996.1
50	62.36	55.88	12	25.350.4253.0	60.96	55.88	99.242.9996.1
50	67.44	60.96	13	25.350.4353.0	66.04	60.96	99.243.9996.1
50	72.52	66.04	14	25.350.4453.0	70.12	66.04	99.244.9996.1
50	77.60	71.12	15	25.350.4553.0	75.20	71.12	99.245.9996.1
50	82.68	76.20	16	25.350.4653.0	80.28	76.20	99.246.9996.1
	17 to 24 pole on request						17 to 24 pole on request
Accessories:							
Coding part (branch) 100				05.561.0053.0			05.561.0053.0
Mounting bracket assembly - for double ended screw fixing of header 100				Z5.523.2453.0			

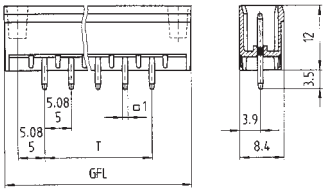
PCB headers
pitch 5.00/5.08 mm

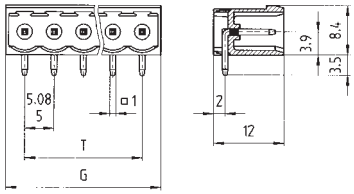
wiecon PCB

cable size

Rated current:
12 A

Rated voltages:
250 V/4 kV/3 – overvoltage category III
400 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I





Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

with screw flange

Type 8113 S/... GF, 8213 S/... GF

Connection vertical to PCB

Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

closed version

Type 8113 S/... W, 8213 S/... W

Connection horizontal to PCB

Rated voltages VDE 0110
UL Data
CSA Data
Approvals

300 V 15 A
300 V 15 A

300 V 15 A
300 V 15 A

Box Qty	G	T	Pole	Part No.	GFL	T	Part No.
Pitch 5.00 mm				unmarked			unmarked
100	11.40	5	2	25.338.3253.0	20	5	25.332.3253.0
100	16.40	10	3	25.338.3353.0	25	10	25.332.3353.0
50	21.40	15	4	25.338.3453.0	30	15	25.332.3453.0
50	26.40	20	5	25.338.3553.0	35	20	25.332.3553.0
50	31.40	25	6	25.338.3653.0	40	25	25.332.3653.0
50	36.40	30	7	25.338.3753.0	45	30	25.332.3753.0
50	41.40	35	8	25.338.3853.0	50	35	25.332.3853.0
50	46.40	40	9	25.338.3953.0	55	40	25.332.3953.0
50	51.40	45	10	25.338.4053.0	60	45	25.332.4053.0
50	56.40	50	11	25.338.4153.0	65	50	25.332.4153.0
50	61.40	55	12	25.338.4253.0	70	55	25.332.4253.0
50	66.40	60	13	25.338.4353.0	75	60	25.332.4353.0
50	71.40	65	14	25.338.4453.0	80	65	25.332.4453.0
50	76.40	70	15	25.338.4553.0	85	70	25.332.4553.0
50	81.40	75	16	25.338.4653.0	90	75	25.332.4653.0
				17 to 22 pole on request			17 to 24 pole on request
Pitch 5.08 mm				unmarked			unmarked
100	11.56	5.08	2	25.359.3253.0	20.32	5.08	25.352.3253.0
100	16.64	10.16	3	25.359.3353.0	25.40	10.16	25.352.3353.0
50	21.72	15.24	4	25.359.3453.0	30.48	15.24	25.352.3453.0
50	26.80	20.32	5	25.359.3553.0	35.56	20.32	25.352.3553.0
50	31.88	25.40	6	25.359.3653.0	40.64	25.40	25.352.3653.0
50	36.96	30.48	7	25.359.3753.0	45.72	30.48	25.352.3753.0
50	42.04	35.56	8	25.359.3853.0	50.80	35.56	25.352.3853.0
50	47.12	40.64	9	25.359.3953.0	55.88	40.64	25.352.3953.0
50	52.20	45.72	10	25.359.4053.0	60.96	45.72	25.352.4053.0
50	57.28	50.80	11	25.359.4153.0	66.04	50.80	25.352.4153.0
50	62.36	55.88	12	25.359.4253.0	71.12	55.88	25.352.4253.0
50	67.44	60.96	13	25.359.4353.0	76.20	60.96	25.352.4353.0
50	72.52	66.04	14	25.359.4453.0	81.28	66.04	25.352.4453.0
50	77.60	71.12	15	25.359.4553.0	86.36	71.12	25.352.4553.0
50	82.68	76.20	16	25.359.4653.0	91.44	76.20	25.352.4653.0
				17 to 22 pole on request			17 to 24 pole on request
Accessories:							
Coding part (branch) 100				05.561.0053.0	05.561.0053.0		
Mounting bracket assembly - for double ended screw fixing of header 100				Z5.523.2453.0	Z5.523.2453.0		

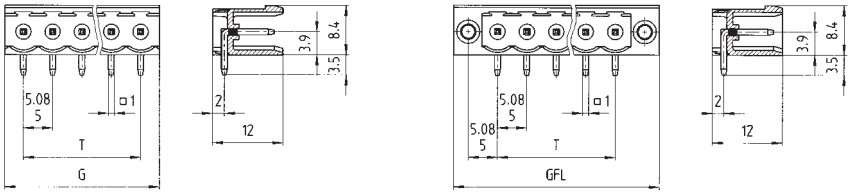
PCB header
pitch 5.00/5.08 mm

wiecon

cable size

Rated current:
12 A

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



Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

open version

Type 8113 S/... WOF, 8213 S/... WOF

Connection horizontal to PCB

Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

with screw flange

Type 8113 S/... WF, 8213 S/... WF

Connection horizontal to PCB

Rated voltages VDE 0110									
UL Data				300 V	15 A			300 V	15 A
CSA Data				300 V	15 A			300 V	15 A
Approvals									

Box Qty	G	T	Pole	Part No.	GFL	G	T	Part No.
Pitch 5.00 mm				unmarked				unmarked
100	11.40	5	2	99.262.9996.0	20	10	5	25.339.3253.0
100	16.40	10	3	99.263.9996.0	25	15	10	25.339.3353.0
50	21.40	15	4	99.264.9996.0	30	20	15	25.339.3453.0
50	26.40	20	5	99.265.9996.0	35	25	20	25.339.3553.0
50	31.40	25	6	99.266.9996.0	40	30	25	25.339.3653.0
50	36.40	30	7	99.267.9996.0	45	35	30	25.339.3753.0
50	41.40	35	8	99.268.9996.0	50	40	35	25.339.3853.0
50	46.40	40	9	99.269.9996.0	55	45	40	25.339.3953.0
50	51.40	45	10	99.270.9996.0	60	50	45	25.339.4053.0
50	56.40	50	11	99.271.9996.0	65	55	50	25.339.4153.0
50	61.40	55	12	99.272.9996.0	70	60	55	25.339.4253.0
50	66.40	60	13	99.273.9996.0	75	65	60	25.339.4353.0
50	71.40	65	14	99.274.9996.0	80	70	65	25.339.4453.0
50	76.40	70	15	99.275.9996.0	85	75	70	25.339.4553.0
50	81.40	75	16	99.276.9996.0	90	80	75	25.339.4653.0
17 to 24 pole on request								17 to 22 pole on request
Pitch 5.08 mm				unmarked				unmarked
100	11.56	5.08	2	99.202.9996.2	20.32	10.16	5.08	25.358.3253.0
100	16.64	10.16	3	99.203.9996.2	25.40	15.24	10.16	25.358.3353.0
50	21.72	15.24	4	99.204.9996.2	30.48	20.32	15.24	25.358.3453.0
50	26.80	20.32	5	99.205.9996.2	35.56	25.40	20.32	25.358.3553.0
50	31.88	25.40	6	99.206.9996.2	40.64	30.48	25.40	25.358.3653.0
50	36.96	30.48	7	99.207.9996.2	45.72	35.56	30.48	25.358.3753.0
50	42.04	35.56	8	99.208.9996.2	50.80	40.64	35.56	25.358.3853.0
50	47.12	40.64	9	99.209.9996.2	55.88	45.72	40.64	25.358.3953.0
50	52.20	45.72	10	99.210.9996.2	60.96	50.80	45.72	25.358.4053.0
50	57.28	50.80	11	99.211.9996.2	66.04	55.88	50.80	25.358.4153.0
50	62.36	55.88	12	99.212.9996.2	71.12	60.96	55.88	25.358.4253.0
50	67.44	60.96	13	99.213.9996.2	76.20	66.04	60.96	25.358.4353.0
50	72.52	66.04	14	99.214.9996.2	81.28	71.12	66.04	25.358.4453.0
50	77.60	71.12	15	99.215.9996.2	86.36	76.20	71.12	25.358.4553.0
50	82.68	76.20	16	99.216.9996.2	91.44	81.28	76.20	25.358.4653.0
17 to 24 pole on request								17 to 22 pole on request
Accessories:								
Coding part (branch) 100				05.561.0053.0	05.561.0053.0			
Mounting bracket assembly - for double ended screw fixing of header 100				Z5.523.2453.0				

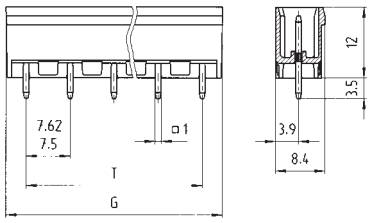
PCB headers
pitch 7.50/7.62 mm

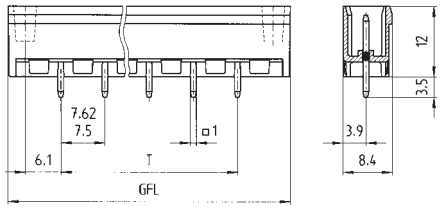
wiecon PCB

cable size

Rated current:
12 A

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





Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

closed version

Type 8313 S/... G, 8413 S/... G

Connection vertical to PCB

Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

with screw flange

Type 8313 S/... GF, 8413 S/... GF

Connection vertical to PCB

Rated voltages VDE 0110
UL Data
CSA Data
Approvals

300 V 15 A
300 V 15 A

300 V 15 A
300 V 15 A

Box Qty	G	T	Pole	Part No.	GFL	T	Part No.
Pitch 7.50 mm				unmarked			unmarked
100	14.20	7.50	2	25.370.3253.0	25.54	7.50	25.374.6253.0
100	21.70	15.00	3	25.370.3353.0	33.04	15.00	25.374.6353.0
50	29.20	22.50	4	25.370.3453.0	40.54	22.50	25.374.6453.0
50	36.70	30.00	5	25.370.3553.0	48.04	30.00	25.374.6553.0
50	44.20	37.50	6	25.370.3653.0	55.54	37.50	25.374.6653.0
50	51.70	45.00	7	25.370.3753.0	63.04	45.00	25.374.6753.0
50	59.20	52.50	8	25.370.3853.0	70.54	52.50	25.374.6853.0
50	66.70	60.00	9	25.370.3953.0	78.04	60.00	25.374.6953.0
50	74.20	67.50	10	25.370.4053.0	85.54	67.50	25.374.7053.0
50	81.70	75.00	11	25.370.4153.0	93.04	75.00	25.374.7153.0
50	89.20	82.50	12	25.370.4253.0	100.54	82.50	25.374.7253.0
Pitch 7.62 mm				unmarked			unmarked
100	14.32	7.62	2	25.390.3253.0	25.66	7.62	25.398.6253.0
100	21.94	15.24	3	25.390.3353.0	33.25	15.24	25.398.6353.0
50	29.56	22.86	4	25.390.3453.0	40.90	22.86	25.398.6453.0
50	37.18	30.48	5	25.390.3553.0	48.52	30.48	25.398.6553.0
50	44.80	38.10	6	25.390.3653.0	56.14	38.10	25.398.6653.0
50	52.42	45.72	7	25.390.3753.0	63.76	45.72	25.398.6753.0
50	60.04	53.34	8	25.390.3853.0	71.38	53.34	25.398.6853.0
50	67.66	60.64	9	25.390.3953.0	79.00	60.64	25.398.6953.0
50	75.28	68.58	10	25.390.4053.0	86.62	68.58	25.398.7053.0
50	82.90	76.20	11	25.390.4153.0	94.24	76.20	25.398.7153.0
50	90.52	83.82	12	25.390.4253.0	101.86	83.82	25.398.7253.0
Accessories:							
Coding part (branch) 100				05.561.0053.0			05.561.0053.0
Mounting bracket assembly - for double ended screw fixing of header 100				Z5.523.2453.0			

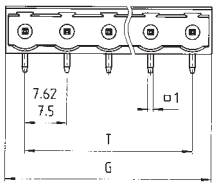
PCB headers
pitch 7.50/7.62 mm

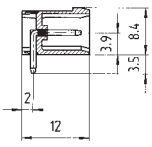
wiecon

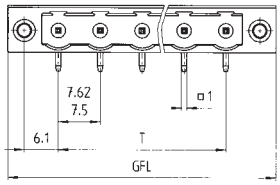
cable size

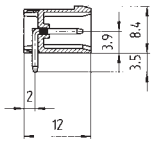
Rated current:
12 A

400 V/6 kV/3 – overvoltage category III
690 V/6 kV/2 – overvoltage category II
1000 V/6 kV/1 – overvoltage category I









Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

closed version

Type 8313 S/... W, 8413 S/... W

Connection horizontal to PCB

Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

with screw flange

Type 8313 S/... WF, 8413 S/... WF

Connection horizontal to PCB

Rated voltages VDE 0110		
UL Data	300 V	15 A
CSA Data	300 V	15 A
Approvals		

	Box Qty	G	T	Pole	Part No.	GFL	T	Part No.
Pitch 7.50 mm					unmarked			unmarked
	100	14.40	7.50	2	25.372.3253.0	25.54	7.50	25.374.2253.0
	100	21.90	15.00	3	25.372.3353.0	33.04	15.00	25.374.2353.0
	50	29.40	22.50	4	25.372.3453.0	40.54	22.50	25.374.2453.0
	50	36.90	30.00	5	25.372.3553.0	48.04	30.00	25.374.2553.0
	50	44.40	37.50	6	25.372.3653.0	55.54	37.50	25.374.2653.0
	50	51.90	45.00	7	25.372.3753.0	63.04	45.00	25.374.2753.0
	50	59.40	52.50	8	25.372.3853.0	70.54	52.50	25.374.2853.0
	50	66.90	60.00	9	25.372.3953.0	78.04	60.00	25.374.2953.0
	50	74.40	67.50	10	25.372.4053.0	85.54	67.50	25.374.3053.0
	50	81.90	75.00	11	25.372.4153.0	93.04	75.00	25.374.3153.0
	50	89.40	82.50	12	25.372.4253.0	100.54	82.50	25.374.3253.0
Pitch 7.62 mm					unmarked			unmarked
	100	14.52	7.62	2	25.392.3253.0	25.66	7.62	25.398.2253.0
	100	22.14	15.24	3	25.392.3353.0	33.25	15.24	25.398.2353.0
	50	29.76	22.86	4	25.392.3453.0	40.90	22.86	25.398.2453.0
	50	37.38	30.48	5	25.392.3553.0	48.52	30.48	25.398.2553.0
	50	45.00	38.10	6	25.392.3653.0	56.14	38.10	25.398.2653.0
	50	52.62	45.72	7	25.392.3753.0	63.76	45.72	25.398.2753.0
	50	60.24	53.34	8	25.392.3853.0	71.38	53.34	25.398.2853.0
	50	67.86	60.64	9	25.392.3953.0	79.00	60.64	25.398.2953.0
	50	75.48	68.58	10	25.392.4053.0	86.62	68.58	25.398.3053.0
	50	83.10	76.20	11	25.392.4153.0	94.24	76.20	25.398.3153.0
	50	90.72	83.82	12	25.392.4253.0	101.86	83.82	25.398.3253.0
Accessories:								
Coding part (branch)	100				05.561.0053.0			05.561.0053.0
Mounting bracket assembly - for double ended screw fixing of header	100				Z5.523.2453.0			

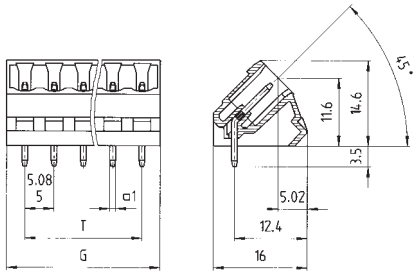
PCB headers
pitch 5.00/5.08 mm

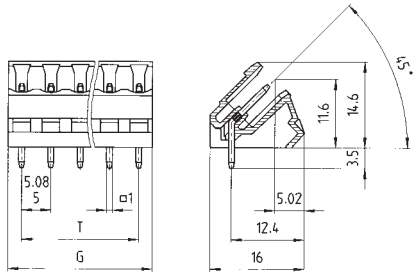
wiecon PCB

cable size

Rated current:
12 A

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





Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

closed version

Type 8113 S/... S, 8213 S/... S

Connection at 45° to PCB

open version

Type 8113 S/... S1, 8213 S/... S1

Connection at 45° to PCB

Rated voltages VDE 0110
UL Data — 300 V 15 A
CSA Data — 300 V 15 A
Approvals

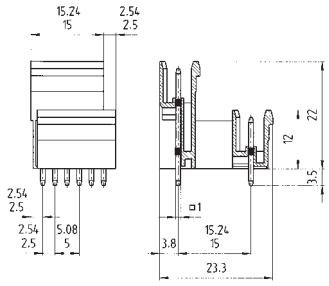
Rated voltages VDE 0110
UL Data — 300 V 15 A
CSA Data — 300 V 15 A
Approvals

Box Qty	G	T	Pole	Part No.	G	T	Part No.
Pitch 5.00 mm				unmarked			unmarked
100	11.20	5	2	25.394.3253.0	9.60	5	25.395.3253.0
100	16.20	10	3	25.394.3353.0	14.60	10	25.395.3353.0
50	21.20	15	4	25.394.3453.0	19.60	15	25.395.3453.0
50	26.20	20	5	25.394.3553.0	24.60	20	25.395.3553.0
50	31.20	25	6	25.394.3653.0	29.60	25	25.395.3653.0
50	36.20	30	7	25.394.3753.0	34.60	30	25.395.3753.0
50	41.20	35	8	25.394.3853.0	39.60	35	25.395.3853.0
50	46.20	40	9	25.394.3953.0	44.60	40	25.395.3953.0
50	51.20	45	10	25.394.4053.0	49.60	45	25.395.4053.0
50	56.20	50	11	25.394.4153.0	54.60	50	25.395.4153.0
50	61.20	55	12	25.394.4253.0	59.60	55	25.395.4253.0
50	66.20	60	13	25.394.4353.0	64.60	60	25.395.4353.0
50	71.20	65	14	25.394.4453.0	69.60	65	25.395.4453.0
50	76.20	70	15	25.394.4553.0	74.60	70	25.395.4553.0
50	81.20	75	16	25.394.4653.0	79.60	75	25.395.4653.0
	17 to 24 pole on request						
Pitch 5.08 mm				unmarked			unmarked
100	11.36	5.08	2	25.396.3253.0	9.76	5.08	25.397.3253.0
100	16.44	10.16	3	25.396.3353.0	14.84	10.16	25.397.3353.0
50	21.52	15.24	4	25.396.3453.0	19.92	15.24	25.397.3453.0
50	26.60	20.32	5	25.396.3553.0	25.00	20.32	25.397.3553.0
50	31.68	25.40	6	25.396.3653.0	30.08	25.40	25.397.3653.0
50	36.76	30.48	7	25.396.3753.0	35.16	30.48	25.397.3753.0
50	41.84	35.56	8	25.396.3853.0	40.24	35.56	25.397.3853.0
50	46.92	40.64	9	25.396.3953.0	45.32	40.64	25.397.3953.0
50	52.00	45.72	10	25.396.4053.0	50.40	45.72	25.397.4053.0
50	57.08	50.80	11	25.396.4153.0	55.48	50.80	25.397.4153.0
50	62.19	55.88	12	25.396.4253.0	60.56	55.88	25.397.4253.0
50	67.24	60.96	13	25.396.4353.0	65.64	60.96	25.397.4353.0
50	72.32	66.04	14	25.396.4453.0	70.72	66.04	25.397.4453.0
50	77.40	71.12	15	25.396.4553.0	75.80	71.12	25.397.4553.0
50	82.48	76.20	16	25.396.4653.0	80.88	76.20	25.397.4653.0
	17 to 24 pole on request						
Accessories:							
Coding part (branch) 100				05.561.0053.0			05.561.0053.0

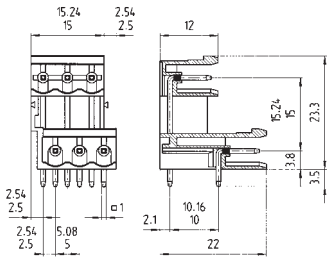
PCB headers
pitch 5.00/5.08 mm

Rated current:
10 A

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



Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm



Solder pin 1 x 1 mm
Drill hole Ø 1.4 mm

Type 8113 SE/... G, 8213 SE/... G

Connection vertical to PCB

Rated voltages VDE 0110
UL Data — 300 V 15 A
CSA Data — 300 V 10 A
Approvals

Type 8113 SE/... W, 8213 SE/... W

Connection horizontal to PCB

300 V 15 A
300 V 10 A

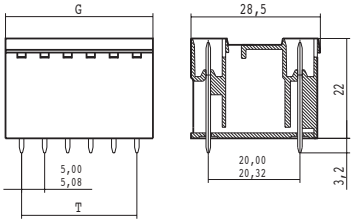
Box Qty	T	Pole	Part No.	Part No.
Pitch 5.00 mm			unmarked	unmarked
100	5	2 x 2	25.334.3253.0	25.336.3253.0
100	10	2 x 3	25.334.3353.0	25.336.3353.0
Larger pole numbers can be achieved by latching together				
Pitch 5.08 mm			unmarked	unmarked
100	5.08	2 x 2	25.354.3253.0	25.356.3253.0
100	10.16	2 x 3	25.354.3353.0	25.356.3353.0
Larger pole numbers can be achieved by latching together				
Accessories:				
End plate 50			07.310.9853.0	07.310.9853.0
Mounting bracket assembly - for double ended screw fixing of header			on request	Only in connection with end plate 07.310.9853.0 Z5.523.2453.0

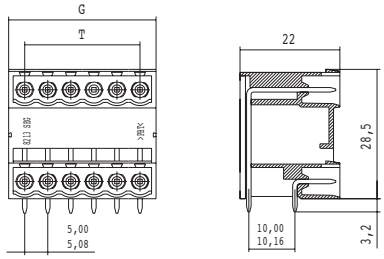
PCB Headers
pitch 5.00/5.08 mm

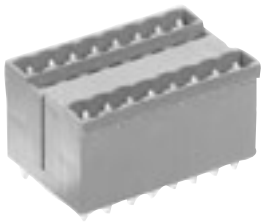
wiecon PCB

Rated current: 10 A

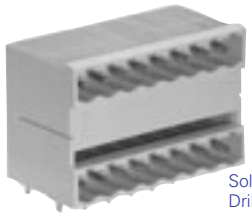
250 V/4 kV/3 – overvoltage category III
400 V/4 kV/2 – overvoltage category III
400 V/4 kV/2 – overvoltage category II







Solder pin 1 x 1 mm
Drill hole Ø 1.3 mm



Solder pin 1 x 1 mm
Drill hole Ø 1.3 mm

Type 81-8213 SEG .../G

Type 81-8213 SEG .../W

Rated voltages VDE 0110	300 V	10 A
UL Data	300 V	10 A
CSA Data		
Approvals		

Box Qty	G	T	Pole	Part No.	Part No.
Pitch 5.00 mm				unmarked	unmarked
100	12	5	4	27.334.0253.0	27.336.0253.0
100	17	10	6	27.334.0353.0	27.336.0353.0
50	22	15	8	27.334.0453.0	27.336.0453.0
50	27	20	10	27.334.0553.0	27.336.0553.0
50	32	25	12	27.334.0653.0	27.336.0653.0
50	37	30	14	27.334.0753.0	27.336.0753.0
50	42	35	16	27.334.0853.0	27.336.0853.0
50	47	40	18	27.334.0953.0	27.336.0953.0
50	52	45	20	27.334.1053.0	27.336.1053.0
50	57	50	22	27.334.1153.0	27.336.1153.0
50	62	55	24	27.334.1253.0	27.336.1253.0
50	67	60	26	27.334.1353.0	27.336.1353.0
50	72	65	28	27.334.1453.0	27.336.1453.0
50	77	70	30	27.334.1553.0	27.336.1553.0
50	82	75	32	27.334.1653.0	27.336.1653.0
	1 to 24 pole on request				
Pitch 5.08 mm				unmarked	unmarked
100	12.16	5.08	4	27.354.0253.0	27.356.0253.0
100	17.24	10.16	6	27.354.0353.0	27.356.0353.0
50	22.32	15.24	8	27.354.0453.0	27.356.0453.0
50	27.40	20.32	10	27.354.0553.0	27.356.0553.0
50	32.48	25.40	12	27.354.0653.0	27.356.0653.0
50	37.56	30.48	14	27.354.0753.0	27.356.0753.0
50	42.64	35.56	16	27.354.0853.0	27.356.0853.0
50	47.72	40.64	18	27.354.0953.0	27.356.0953.0
50	52.80	45.72	20	27.354.1053.0	27.356.1053.0
50	57.88	50.80	22	27.354.1153.0	27.356.1153.0
50	62.96	55.88	24	27.354.1253.0	27.356.1253.0
50	68.04	60.96	26	27.354.1353.0	27.356.1353.0
50	73.12	66.04	28	27.354.1453.0	27.356.1453.0
50	78.20	71.12	30	27.354.1553.0	27.356.1553.0
50	83.28	76.20	32	27.354.1653.0	27.356.1653.0
	1 to 24 pole on request				
				Coding available on request	Coding available on request

Headers for panel mounting, pitch 5.08 mm

wiecon

cable size

Wire wrap connection 1 x 1
Max. diameter of interconnecting wire Ø: 0.8 mm

Rated current: 6.5 A

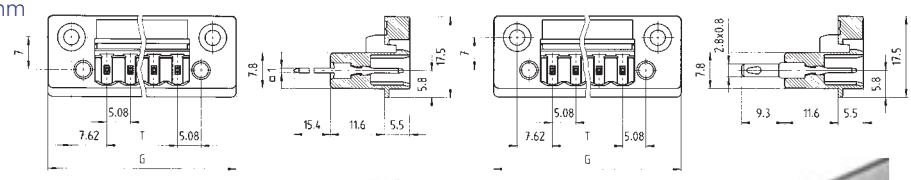
Solder connection
Rated cross section
1.5 mm² single core/
1.0 mm² finely stranded

Rated current: 12 A

Plug connection 2.8 x 0.8 DIN 46249
Rated cross section
1.0 mm² finely stranded

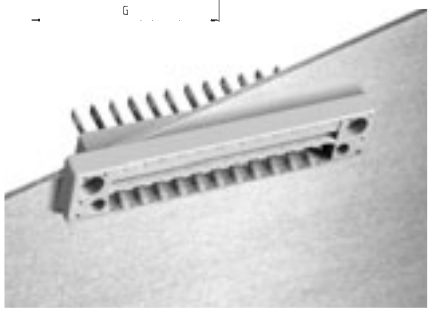
Rated current: 8 A

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



Wire-Wrap

Type 8213 S/... DFWW,
8213 S/... DFWW M



with solder connection

Type 8213 S/... DFLS,
8213 S/... DFLS M

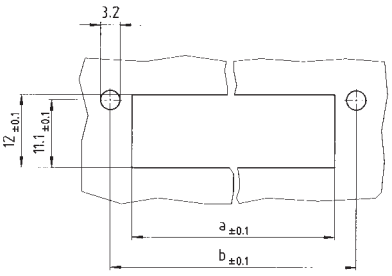
Rated voltages VDE 0110				
UL Data	No. 22 – 12 AWG	300 V	6.5 A	No. 22 – 12 AWG 300 V 12/8 A
CSA Data	No. 22 – 12 AWG	300 V	6.5 A	No. 22 – 12 AWG 300 V 12/8 A
Approvals				

Box Qty	G	T	Pole	Part No. unmarked	Part No. unmarked	Part No. unmarked	Part No. unmarked
Pitch 5.08 mm							
100	30.48	5.08	2	25.303.0253.0	25.313.0253.0	25.303.3253.0	25.313.3253.0
100	35.56	10.16	3	25.303.0353.0	25.313.0353.0	25.303.3353.0	25.313.3353.0
50	40.64	15.24	4	25.303.0453.0	25.313.0453.0	25.303.3453.0	25.313.3453.0
50	45.72	20.32	5	25.303.0553.0	25.313.0553.0	25.303.3553.0	25.313.3553.0
50	50.80	25.40	6	25.303.0653.0	25.313.0653.0	25.303.3653.0	25.313.3653.0
50	55.88	30.48	7	25.303.0753.0	25.313.0753.0	25.303.3753.0	25.313.3753.0
50	60.96	35.56	8	25.303.0853.0	25.313.0853.0	25.303.3853.0	25.313.3853.0
50	66.04	40.64	9	25.303.0953.0	25.313.0953.0	25.303.3953.0	25.313.3953.0
50	71.12	45.72	10	25.303.1053.0	25.313.1053.0	25.303.4053.0	25.313.4053.0
50	76.20	50.80	11	25.303.1153.0	25.313.1153.0	25.303.4153.0	25.313.4153.0
50	81.28	55.88	12	25.303.1253.0	25.313.1253.0	25.303.4253.0	25.313.4253.0
50	86.36	60.96	13	25.303.1353.0	25.313.1353.0	25.303.4353.0	25.313.4353.0
50	91.44	66.04	14	25.303.1453.0	25.313.1453.0	25.303.4453.0	25.313.4453.0
50	96.52	71.12	15	25.303.1553.0	25.313.1553.0	25.303.4553.0	25.313.4553.0
50	101.60	76.20	16	25.303.1653.0	25.313.1653.0	25.303.4653.0	25.313.4653.0
	17 to 22 pole on request			without press in nut	with press in nut for screw flange	without press in nut	with press in nut for screw flange

Dimensions for panel cut out

a	b	
13.18	20.32	2
18.26	25.40	3
23.34	30.48	4
28.42	35.56	5
33.50	40.64	6
38.58	45.72	7
43.66	50.80	8
48.74	55.08	9
53.82	60.96	10
58.90	66.04	11
68.98	71.12	12
69.06	76.20	13
74.14	81.28	14
79.22	86.36	15
84.30	91.44	16

1 to 24 pole on request



Accessories:

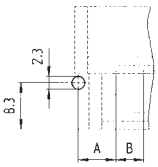
Coding part (branch)	100	05.561.0053.0	05.561.0053.0
Screw assembly	100	Z6.012.0812.0	Z6.012.0812.0

Accessories for 8113 – 8413/8813 and 8213 BL

wiecon PCB

Drilling plan for mounting bracket Z5.523.2453.0

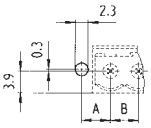
Type 8113 SE/... and 8213 SE/...

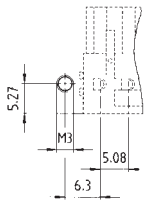


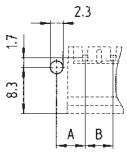
	A	B
8113	6.3	5.00
8213	6.8	5.08

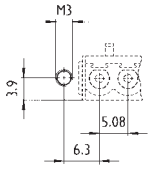
Drilling plan for mounting bracket Z5.523.2453.0

Type 81 – 8413 S/...









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

8113 – 8413/8813

	Part No.	Box Qty
Mounting bracket (Type 8113 – 8413)	Z5.523.2453.0	100
End plate for two tier header (Type 8113 – 8213 SE)	07.310.9853.0	50
Coding branch for – header (Type 8113 – 8413, Type 8813)	05.561.0053.0	a 100
– socket connector (Type 8113 – 8413)	05.561.9153.0	100

Mounting bracket assembly for headers

Mounting bracket assembly with end plate for two tier headers

8213 BL

Adhesive marking strips for socket connectors and headers with 5/5.08 mm pitch

	Part No.	Box Qty
1 – 12	04.007.4089.0	1
13 – 24	04.007.4189.0	1
25 – 36	04.007.4289.0	1
37 – 68	04.007.4389.0	1
49 – 60	04.007.4489.0	1
61 – 72	04.007.4589.0	1
73 – 84	04.007.4689.0	1
85 – 96	04.007.4789.0	1
97 – 108	04.007.4889.0	1

Mounting bracket

Z5.523.7753.0 100

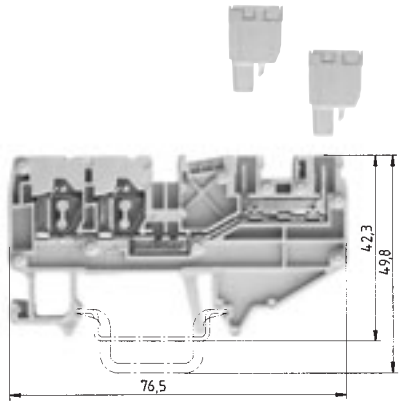
Z5.523.7853.0 100

wiecon

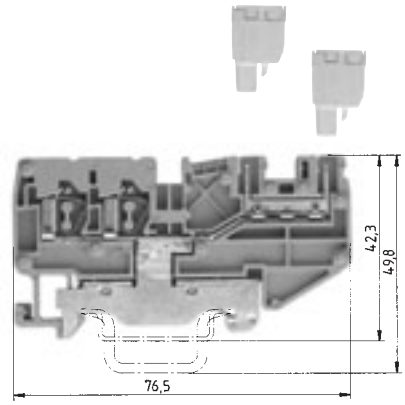
Duo modular terminals, spring clamp with headers for pluggable PCB terminals

wiecon PCB

For PCB terminals 8113 BFK



WKF 2.5 D2/8113/35



WKF 2.5 D2/8113 SL/35

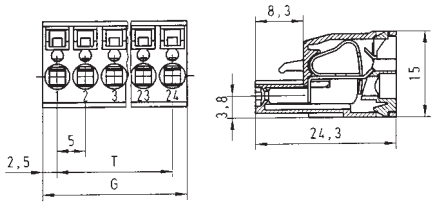
	finely stranded	single core	V	A
EN 60 947-7-1/DIN VDE 0611 T1	0.13 – 2.5 mm²	0.13 – 4 mm²	250 V/4 kV/3	16
UL Data field/factory wiring	No. 22 – 12 AWG		300	15
CSA Data	No. 24 – 12 AWG		300	15
Width stripping length	5 mm			11 mm
Approvals				

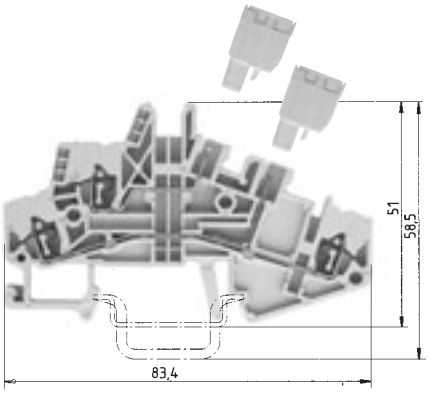
		Type	Part No.	Box Qty	Type	Part No.	Box Qty
Duo modular terminal	Colour: grey	WKF 2,5 D2/8113/35	56.703.2053.0	100			
	Colour: blue	WKF 2,5 D2/8113/35 BLAU	56.703.2053.6	100			
Duo earth terminal	Colour: yellow/green				WKF 2,5 D2/8113 SL/35	56.703.9253.0	100
Double deck terminal	Colour: grey						
Accessories							
1. Mounting rail 35, DIN rail 7.5 high	L = 2 m	35x27x7,5 EN 60715	98.300.0000.0	1	35x27x7,5 EN 60715	98.300.0000.0	1
Mounting rail 35, DIN rail 15 high	L = 2 m	35x24x15 EN 60715	98.360.0000.0	1	35x24x15 EN 60715	98.360.0000.0	1
2. End clamp TS 35, with screw	8 mm wide	9708/2 S35	Z5.522.8553.0	100	9708/2 S35	Z5.522.8553.0	100
End clamp TS 35, screwless	8 mm wide	WEF 1/35	Z5.523.9353.0	100	WEF 1/35	Z5.523.9353.0	100
3. End plate	Colour: grey	APF 2,5/D2/8113	07.312.4153.0	10	APF 2,5/D2/8113	07.312.4153.0	10
	Colour: blue	APF 2,5/D2/8113	07.312.4153.6	10			
4. Partition plate	Colour: grey						
	Colour: blue						
5. Jumper bar	2 pole	IVB WKF 2,5 – 2	Z7.280.6227.0	10			
insulated	3 pole	IVB WKF 2,5 – 3	Z7.280.6327.0	10			
	4 pole	IVB WKF 2,5 – 4	Z7.280.6427.0	10			
	5 pole	IVB WKF 2,5 – 5	Z7.280.6527.0	10			
	6 pole	IVB WKF 2,5 – 6	Z7.280.6627.0	10			
	7 pole	IVB WKF 2,5 – 7	Z7.280.6727.0	20			
	8 pole	IVB WKF 2,5 – 8	Z7.280.6827.0	20			
	9 pole	IVB WKF 2,5 – 9	Z7.280.6927.0	20			
	10 pole	IVB WKF 2,5 – 10	Z7.280.7027.0	20			
6. Conductor entry strip	0.13 – 0.2 mm²	LEL 2,5/1 WEISS	05.561.6553.0	100	LEL 2,5/1 WEISS	05.561.6553.0	100
	0.25 – 0.5 mm²	LEL 2,5/2 GRAU	05.561.6653.0	100	LEL 2,5/2 GRAU	05.561.6653.0	100
	0.75 – 1.0 mm²	LEL 2,5/3 SCHWARZ	05.561.6753.0	100	LEL 2,5/3 SCHWARZ	05.561.6753.0	100
7. Cover with warning symbol for 4 terminals		ADF 2,5/4 GELB	04.343.6053.8	10	ADF 2,5/4 GELB	04.343.6053.8	10
Pin cover with warning symbol for 4 pole		AD 8113/4 GELB	04.343.6853.8	10	AD 8113/4 GELB	04.343.6853.8	10
8. Screwdriver, uninsulated		DIN 5264 B 0,6x3,5	06.502.4000.0	5	DIN 5264 B 0,6x3,5	06.502.4000.0	5
9. Coding part (branch)			05.561.0053.0	100		05.561.0053.0	100
10. Labelling systems		See page 36 of ***fasis***			See page 36 of ***fasis***		
					Please see **note** on page 36 on ***fasis***!		

PCB terminal – pluggable spring clamp system pitch 5.00 mm

Rated current:
12 A

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





WKF 1.5 E/8113/35

finely stranded	single core	V	A
0.13 – 1.5 mm²	0.13 – 2.5 mm²	250 V/4 kV/3	16
No. 22 – 14			
No. 24 – 14			
5 mm			11 mm

when using ferrules for wire range 2.5 mm², use only ferrules with part number 05.596.6127.0

See pages 796 to 797 ***facts*** & DATA

Rated voltages VDE 0110
EN 60 947-7-1/DIN VDE 0611 T1

Pitch	stripping length
UL Data	
CSA Data	
Approvals in preparation	

Type 8113 BFK

0.13–2.5 mm² finely stranded	0.13–4 mm² single core
11 mm	9 mm
No. 22 – 12 AWG 300 V	12 A
No. 22 – 12 AWG 300 V	12 A

Type	Part No.	Box Qty
WKF 1,5 E/8113/35	56.702.2053.0	100
35x27x7,5 EN 60715	98.300.0000.0	1
35x24x15 EN 60715	98.360.0000.0	1
9708/2 S35	Z5.522.8553.0	100
WEF 1/35	Z5.523.9353.0	100
APF 1,5/E/8113	07.312.4753.0	10
IVB WKF 2,5 – 2	Z7.280.6227.0	10
IVB WKF 2,5 – 3	Z7.280.6327.0	10
IVB WKF 2,5 – 4	Z7.280.6427.0	10
IVB WKF 2,5 – 5	Z7.280.6527.0	10
IVB WKF 2,5 – 6	Z7.280.6627.0	10
IVB WKF 2,5 – 7	Z7.280.6727.0	20
IVB WKF 2,5 – 8	Z7.280.6827.0	20
IVB WKF 2,5 – 9	Z7.280.6927.0	20
IVB WKF 2,5 – 10	Z7.280.7027.0	20
LEL 1,5/1 WEISS	05.562.2453.0	100
LEL 1,5/2 GRAU	05.562.2553.0	100
LEL 1,5/3 SCHWARZ	05.562.2653.0	100
ADF 2,5/4 GELB	04.343.6053.8	10
AD 8113/4 GELB	04.343.6853.8	10
DIN 5264 B 0,6x3,5	06.502.4000.0	5
	05.561.0053.0	100

See page 37 of ***fasis***

Pitch 5.00 mm	Box Qty	G	T	Pole	Part No. unmarked	Part No. marked
	100	10	5	2	25.820.3253.0	25.820.0253.0
	100	15	10	3	25.820.3353.0	25.820.0353.0
	50	20	15	4	25.820.3453.0	25.820.0453.0
	50	25	20	5	25.820.3553.0	25.820.0553.0
	50	30	25	6	25.820.3653.0	25.820.0653.0
	50	35	30	7	25.820.3753.0	25.820.0753.0
	50	40	35	8	25.820.3853.0	25.820.0853.0
	50	45	40	9	25.820.3953.0	25.820.0953.0
	50	50	45	10	25.820.4053.0	25.820.1053.0
	50	55	50	11	25.820.4153.0	25.820.1153.0
	50	60	55	12	25.820.4253.0	25.820.1253.0
	50	65	60	13	25.820.4353.0	25.820.1353.0
	50	70	65	14	25.820.4453.0	25.820.1453.0
	50	75	70	15	25.820.4553.0	25.820.1553.0
	50	80	75	16	25.820.4653.0	25.820.1653.0
		1 to 24 pole on request				

Accessories:

Coding branch (branch)	100		05.561.9153.0
Screwdriver DIN 5264 B 0.6 x 3.5	5		06.502.4000.0

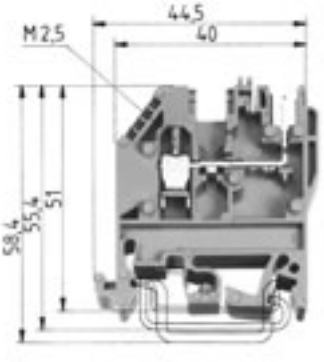
Modular terminals, rising cage clamp with headers for pluggable PCB terminals

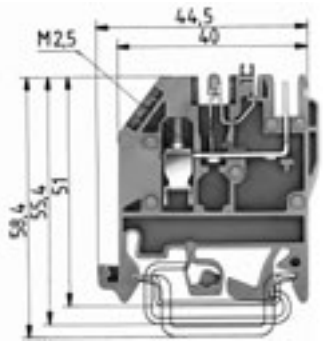
wiecon PCB

for PCB terminals:
– Type 8113 B
– Type 8113 BFK
– Type 8313 B
– Type 8113 B/VL
– Type 8113 B/VR
– Type 8113 B/Top

Indicator: R = 4.7 K; 0.5 W
LED colour: red

[1] determined by LED at terminal





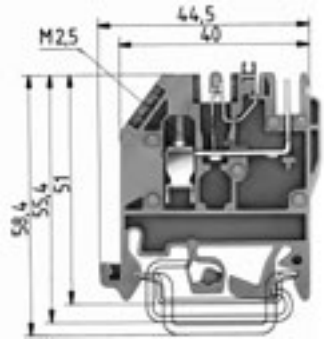
The items marked with ***) have insulating housing in accordance with UL 94-V0 (flammability class)

		WK 2.5 U / 8113 S/V			WK 2.5 U / 8113 S/V / LED 25		
		finely stranded single core	V	A	finely stranded single core	V	A
EN 60 947-7-1/DIN VDE 0611 T1		0.5 – 2.5 mm² 0.5 – 4 mm²	250 V/4 kV/3	12	0.5 – 2.5 mm² 0.5 – 4 mm²	[1]	12
UL Data		No. 22 – 12 AWG	300 V	15	No. 22 – 12 AWG	300 V	15
CSA Data		No. 24 – 12 AWG	300 V	15	No. 24 – 12 AWG	25 V	15
Width	stripping length	5 mm		9 mm	5 mm		9 mm
Approvals							

		Type	Part No.	Box Qty	Type	Part No.	Box Qty
Modular terminal	Colour: grey	WK 2,5 U/8113 S/V...***)	57.503.2655.6	50			
Modular terminal with LED 25 V	Colour: grey				WK 2,5 U/8113 S/V/LED 25***)	57.503.2755.0	50
Modular terminal with LED 50 V	Colour: grey						
Supply terminal	Colour: blue						
Modular terminal with header							
PCB terminals type 8113 see page 297							
Accessories							
Mounting rail 35 DIN rail 7.5 mm high	L = 2 m						
Mounting rail 35 DIN rail 15 mm high	L = 2 m						
Mounting rail 32 G-rail	L = 2 m						
End clamp with U-foot	10 mm wide						
End clamp TS 35 with screw	8 mm wide						
End clamp TS 32 with screw	7.5 mm wide						
End plate right 2.5 mm thick	Colour: grey	AP 2,5 U/8113 S/V ***)	07.312.1555.0	10	AP 2,5 U/8113 S/V ***)	07.312.1555.0	10
End plate links 2.5 mm thick	Colour: grey	AP 2,5 U/8113 ***)	07.312.4655.0	10	AP 2,5 U/8113 ***)	07.312.4655.0	10
End plate 2.5 mm thick	Colour: blue						
Right intermediate plate 2.5 mm thick	Colour: grey	ZP 2,5 U/8113 S/V	07.312.1655.0	10	ZP 2,5 U/8113 S/V	07.312.1655.0	10
Intermediate plate 2.5 mm thick	Colour: blue						
(for use of PCB terminals with 7.5 mm)							
Jumper bar with screws, E-Cu	insulated						
	2 pole	IVB WK 2,5-2	Z7.280.2227.0	10	IVB WK 2,5-2	Z7.280.2227.0	10
	3 pole	IVB WK 2,5-3	Z7.280.2327.0	10	IVB WK 2,5-3	Z7.280.2327.0	10
	up to 12 pole	IVB WK 2,5-12	Z7.280.3227.0	10	IVB WK 2,5-12	Z7.280.3227.0	10
Connecting rail, tin plated	L = 0.4 m		05.561.4125.0	1		05.561.4125.0	1
Single cover for jumper bar with marking facility		ADVB 2,5 GELB	04.326.2053.0		ADVB 2,5 GELB	04.326.2053.0	
Cover strip for header	24 pole		04.343.9056.0			04.343.9056.0	
Cover strip for header with warning symbol			04.343.9156.0			04.343.9156.0	
Insulating plate		TS 2,5 GELB	07.311.2053.0		TS 2,5 GELB	07.311.2053.0	
Coding part (branch)			05.561.0053.0			05.561.0053.0	100
Sealing end	10 pole						
See page 394 for labelling systems							

Indicator: R = 10 K; 0.5 W
LED colour: red

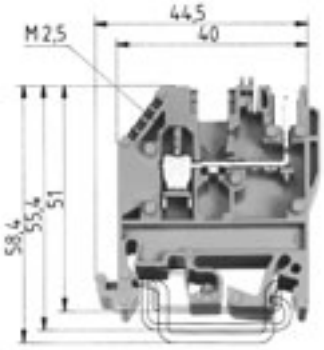
[1] determined by LED at terminal



WK 2.5 U / 8113 S/V / LED 50

finely stranded	single core	V	A
0.5 – 2.5 mm²	0.5 – 4 mm²	[1]	12
No. 22 – 12	AWG	300 V	15
No. 24 – 12	AWG	50 V	15
5 mm			9 mm

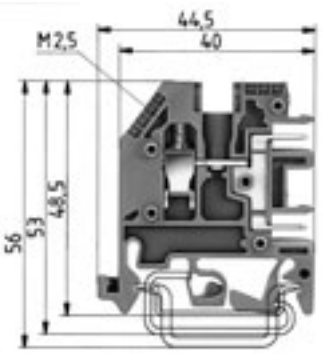
Type	Part No.	Box Qty
WK 2,5 U/8113 S/V/LED 50***)	57.503.2855.0	50
AP 2,5 U/8113 S/V ***)	07.312.1555.0	10
AP 2,5 U/8113 ***)	07.312.4655.0	10
ZP 2,5 U/8113 S/V	07.312.1655.0	10
IVB WK 2,5-2	Z7.280.2227.0	10
IVB WK 2,5-3	Z7.280.2327.0	10
IVB WK 2,5-12	Z7.280.3227.0	10
	05.561.4125.0	1
ADVB 2,5 GELB	04.326.2053.0	
	04.343.9056.0	
	04.343.9156.0	
TS 2,5 GELB	07.311.2053.0	
	05.561.0053.0	100



WK 2.5 U / 8113 S/V /VK

finely stranded	single core	V	A
0.5 – 2.5 mm²	0.5 – 4 mm²	250 V/4 kV/3	12
No. 22 – 12	AWG	300 V	15
No. 24 – 12	AWG	300 V	15
5 mm			9 mm

Type	Part No.	Box Qty
WK 2,5 U/8113 S/V/VK***)	57.503.3055.6	
AP 2,5 U/8113 ***)	07.312.4655.0	10
AP 2,5 U/8113 S/V BL***)	07.312.1555.0	10
ZP 2,5 U/8113 S/V	07.312.1655.0	10
ZP 2,5 U/8113 S/V BL	07.312.1655.6	10
IVB WK 2,5-2	Z7.280.2227.0	10
IVB WK 2,5-3	Z7.280.2327.0	10
IVB WK 2,5-12	Z7.280.3227.0	10
	05.561.4125.0	1
ADVB 2,5 GELB	04.326.2053.0	
	04.343.9056.0	
	04.343.9156.0	
TS 2,5 GELB	07.311.2053.0	
	05.561.0053.0	100



WK 2.5 U / 8113 S/H

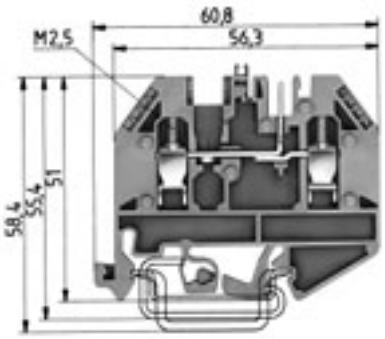
finely stranded	single core	V	A
0.5 – 2.5 mm²	0.5 – 4 mm²	250 V/4 kV/3	12
No. 22 – 12	AWG	300 V	20
No. 24 – 12	AWG	300 V	15
5 mm			9 mm

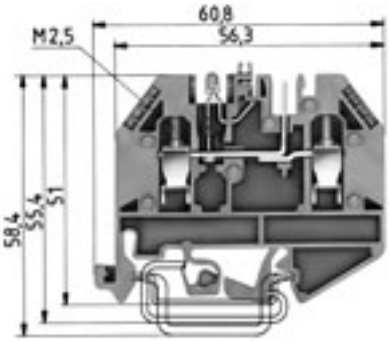
Type	Part No.	Box Qty
WK 2,5 U/8113 S/H***)	57.503.2055.0	100
AP 2,5 U/8113 S/H ***)	07.311.9855.0	10
IVB WK 2,5-2	Z7.280.2227.0	10
IVB WK 2,5-3	Z7.280.2327.0	10
IVB WK 2,5-12	Z7.280.3227.0	10
	05.561.4125.0	1
ADVB 2,5 GELB	04.326.2053.0	
	04.343.9056.0	
	04.343.9156.0	
TS 2,5 GELB	07.311.2053.0	
	05.584.0053.0	100
	05.576.5853.0	25

Modular terminals, rising cage clamp with header for pluggable PCB terminals

wiecon PCB

for PCB terminals:
– Type 8113 B
– Type 8113 BFK
– Type 8313 B
– Type 8113 B/VL
– Type 8113 B/VR
– Type 8113 B/Top





Indicator: R = 4.7 K; 0.5 W
LED colour: red

[1] determined by LED in terminal

The items marked with ***) have insulating housing in accordance with UL 94-V0 (flammability class)

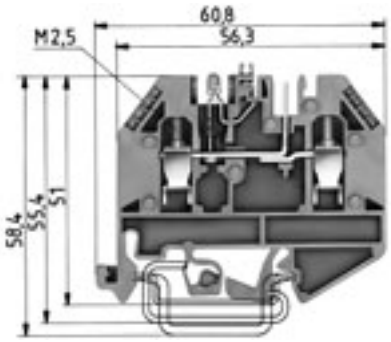
		WK 2.5 U /D/ 8113 S/V		
		finely stranded single core	V	A
EN 60 947-7-1/DIN VDE 0611 T1		0.5 – 2.5 mm² 0.5 – 4 mm²	250 V/4 kV/3	12
UL Data		No. 22 – 12 AWG	300 V	15
CSA Data		No. 24 – 12 AWG	300 V	15
Width	stripping length	5 mm		9 mm
Approvals				

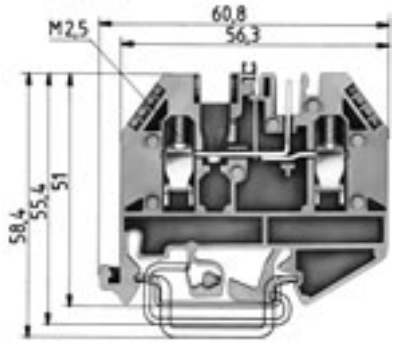
		WK 2.5 U /D/ 8113 S/V / LED 25		
		finely stranded single core	V	A
		0.5 – 2.5 mm² 0.5 – 4 mm²	[1]	12
		No. 22 – 12 AWG	300 V	15
		No. 24 – 12 AWG	25 V	15
		5 mm		9 mm

		Type	Part No.	Box Qty	Type	Part No.	Box Qty
Modular terminal	Colour: grey	WK 2,5 U/D/8113 S/V...***)	57.503.2155.0	50			
Modular terminal with LED 25 V	Colour: grey				WK 2,5 U/D/8113 S/V/LED 25***)	57.503.2255.0	50
Modular terminal with LED 50 V	Colour: grey						
Supply terminal	Colour: blue						
Modular terminal with header							
PCB terminals type 8113 see page 297							
Accessories							
Mounting rail 35 DIN rail 7.5 mm high	L = 2 m						
Mounting rail 35 DIN rail 15 mm high	L = 2 m						
Mounting rail 32 G-rail	L = 2 m						
End clamp with U-foot	10 mm wide						
End clamp TS 35 with screw	8 mm wide						
End clamp TS 32 with screw	7.5 mm wide						
End plate 2.5 mm thick	Colour: grey	AP 2,5 U/D/8113 S/V ***)	07.311.9055.0	10	AP 2,5 U/D/8113 S/V***)	07.311.9055.0	10
End plate 2.5 mm thick	Colour: blue						
Intermediate plate 2.5 mm thick	Colour: grey	ZP 2,5 U/D/8113 S/V	07.311.9155.0	10	ZP 2,5 U/D/8113 S/V	07.311.9155.0	10
Intermediate plate 2.5 mm thick	Colour: blue						
(for use of PCB terminals with 7.5 mm)							
Jumper bar with screws, E-Cu	insulated						
	2 pole	IVB WK 2,5-2	Z7.280.2227.0	10	IVB WK 2,5-2	Z7.280.2227.0	10
	3 pole	IVB WK 2,5-3	Z7.280.2327.0	10	IVB WK 2,5-3	Z7.280.2327.0	10
	up to 12 pole	IVB WK 2,5-12	Z7.280.3227.0	10	IVB WK 2,5-12	Z7.280.3227.0	10
Connecting rail, tin plated	L = 0.4 m		05.561.4125.0	1		05.561.4125.0	1
Cover strips for LED (transparent)		ADVB 5/10 P	04.342.3556.8	10	ADVB 5/10 P	04.342.3556.8	10
Single cover for jumper bar with marking facility		ADVB 2,5 GELB	04.326.2053.8	10	ADVB 2,5 GELB	04.326.2053.8	10
Cover strip for header	24 pole		04.343.9056.8	10		04.343.9056.8	10
Cover strip for header with warning symbol	24 pole		04.343.9156.8	10		04.343.9156.8	10
Insulating plate		TS 2,5 GELB	07.311.2053.8	10	TS 2,5 GELB	07.311.2053.8	10
Coding part (branch)			05.561.0053.0	100		05.561.0053.0	100
See page 394 for labelling systems							

Indicator: R = 10 K; 0.5 W
LED colour: red

[1] determined by LED int terminal





WK 2.5 U /D/ 8113 S/V / LED 50

finely stranded	single core	V	A
0.5 – 2.5 mm²	0.5 – 4 mm²	[1]	12
No. 22 – 12	AWG	300 V	15
No. 24 – 12	AWG	50 V	15
5 mm			9 mm

Type	Part No.	Box Qty
WK 2,5 U/D/8113 S/V/LED 50***)	57.503.2355.0	50
AP 2,5 U/D/8113 S/V ***)	07.311.9055.0	10
ZP 2,5 U/D/8113 S/V	07.311.9155.0	10
IVB WK 2,5-2	Z7.280.2227.0	10
IVB WK 2,5-3	Z7.280.2327.0	10
IVB WK 2,5-12	Z7.280.3227.0	10
	05.561.4125.0	1
ADVB 5/10 P	04.342.3556.8	10
ADVB 2,5 GELB	04.326.2053.8	10
	04.343.9056.8	10
	04.343.9156.8	10
TS 2,5 GELB	07.311.2053.8	10
	05.561.0053.0	100

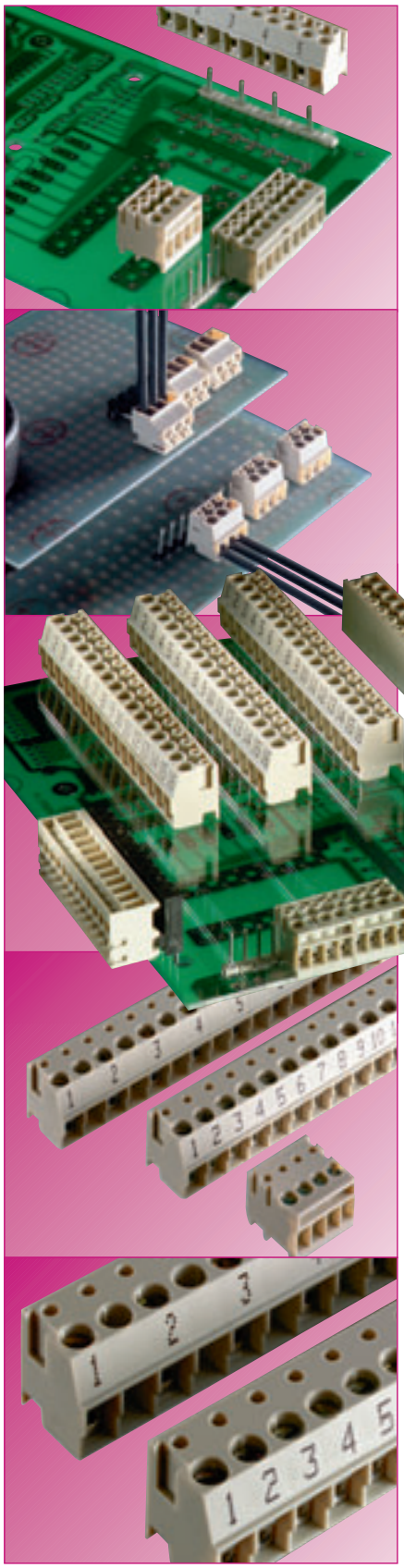
WK 2.5 U /D/ 8113 S/V /VK

finely stranded	single core	V	A
0.5 – 2.5 mm²	0.5 – 4 mm²	250 V/4 kV/3	12
No. 22 – 12	AWG	300 V	15
No. 24 – 12	AWG	300 V	15
5 mm			9 mm

Type	Part No.	Box Qty
WK 2,5 U/D/8113 S/V/VK***)	57.503.2555.6	50
AP 2,5 U/D/8113 S/V BL***)	07.311.9055.6	10
ZP 2,5 U/D/8113 S/V BL	07.311.9155.6	10
IVB WK 2,5-2	Z7.280.2227.0	10
IVB WK 2,5-3	Z7.280.2327.0	10
IVB WK 2,5-12	Z7.280.3227.0	10
	05.561.4125.0	1
ADVB 5/10 P	04.342.3556.8	10
ADVB 2,5 GELB	04.326.2053.8	10
	04.343.9056.8	10
	04.343.9156.8	10
TS 2,5 GELB	07.311.2053.8	10
	05.561.0053.0	100

Two part PCB terminals with pin strip headers

wiecon PCB



Indirect connection describes the method used to connect an external conductor to a PCB via a pin header and terminal connector

System features

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

Type range

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

Marking

- ❒ by means of inkjet printer directly onto the terminal using indelible ink
- ❒ clear pole marking which is easy to read
- ❒ special marking is possible on request
- ❒ economical marking directly into the terminal

Abbreviations for plastic marking material:

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

Materials

Insulating housing:

- ❒ high quality polyamide used because of its excellent electrical, mechanical and chemical properties (see ***facts*** & DATA section)

Metal components:

- ❒ made from special alloys and/or special surface treatments
- ❒ clamp: nickel plated brass
- ❒ clamping screw: galvanised and chromated steel
- ❒ header contact for type 8142 and ST 29: tinned bronze
  header contact for type 8543: tinned brass
- ❒ wire protection: tinned bronze
- ❒ minimum contact resistance
- ❒ with high corrosion protection
- ❒ secure, dynamic clamping function

Pin headers:

- ❒ Insulating parts: made of high quality Polyamide 66/6
- ❒ Metal components: contact pin, Ms tinned
- ❒ glass filled for additional reinforcement

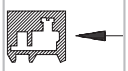
Note:
The conductor size and connecting voltage current capacity relate to unprepared conductors without ferrules.

The rated current specified corresponds to the maximum load of PCB terminal and the size of the connected conductor.

The rated voltage is specified in accordance with DIN VDE 0110 Part 1 (IEC 60 664-1) – Insulation regulations for electrical equipment in low voltage installations and refers to the received condition of the PCB terminals.

When fitting PCB terminals to the PCB, the appropriate terminal should be selected with consideration given to the relevant electrical and physical properties suitable to the application. Also, attention should be paid to circuit board tracking, creepage and clearances as well as distances between individual conductor and solder pads.

In addition, the various forms of environmental pollutants and their degree of influence can effect the performance of a piece of equipment. A system approach is therefore required to ensure that the electrical and other parameters of the PCB terminal match that governed by the functionality of the printed circuit board design.

		Page 316 	Page 318 	Page 320 
Type		**8543**	**8142**	**ST 29**
Pitch	**mm**	**3.50/7.00**	**5.00/10.00**	**5.08**
Cross section	**mm²**	**1**	**2.5**	**1.5**
Pole		**2 – 24**	**2 – 24**	**10**

Two part PCB terminal, pitch 3.50/7.00 mm

wiecon PCB

Rated cross section
1.0 mm²

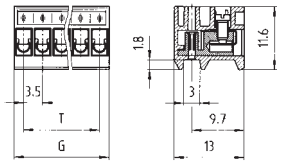
Rated current:
6 A

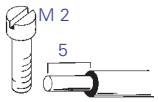
Wire range:
0.14 – 1.5 mm² single core/
0.14 – 1.0 mm² finely stranded

160 V/2.5 kV/3 – overvoltage category III
250 V/2.5 kV/2 – overvoltage category II
*690 V/2.5 kV/1 – overvoltage category I

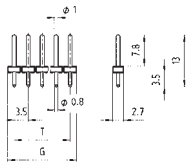
* max. 600 V for non earthed systems or expected overvoltage ≤ 3kV for L ≥ 2.0 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm

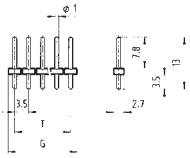
Pitch 3.50 mm

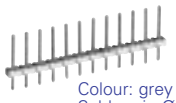




Pitch 3.50 mm







Colour: grey
Solder pin Ø 0.8 mm
Drill hole. Ø 1.0 mm

Colour: black
Solder pin Ø 1.0 mm
Drill hole. Ø 1.3 mm

Type 8543
Connection at 90° to conductor

PCB header
Connection vertical to PCB

Rated voltages VDE 0110 (Pitch 3.5 mm)
UL Data — No. 22 – 16 AWG — 300 V — 10 A
CSA Data — No. 22 – 16 AWG — 300 V — 10 A
Approvals

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked	Part No. Colour: grey	Part No. Colour: black
Pitch 3.50 mm							
100	7.0	3.5	2	25.602.5253.0	25.600.5253.0	Z5.531.0225.0	Z5.531.3225.0
100	10.5	7.0	3	25.602.5353.0	25.600.5353.0	Z5.531.0325.0	Z5.531.3325.0
50	14.0	10.5	4	25.602.5453.0	25.600.5453.0	Z5.531.0425.0	Z5.531.3425.0
50	17.5	14.0	5	25.602.5553.0	25.600.5553.0	Z5.531.0525.0	Z5.531.3525.0
50	21.0	17.5	6	25.602.5653.0	25.600.5653.0	Z5.531.0625.0	Z5.531.3625.0
50	24.5	21.0	7	25.602.5753.0	25.600.5753.0	Z5.531.0725.0	Z5.531.3725.0
50	28.0	24.5	8	25.602.5853.0	25.600.5853.0	Z5.531.0825.0	Z5.531.3825.0
50	31.5	28.0	9	25.602.5953.0	25.600.5953.0	Z5.531.0925.0	Z5.531.3925.0
50	35.0	31.5	10	25.602.6053.0	25.600.6053.0	Z5.531.1025.0	Z5.531.4025.0
50	38.5	35.0	11	25.602.6153.0	25.600.6153.0	Z5.531.1125.0	Z5.531.4125.0
50	42.0	38.5	12	25.602.6253.0	25.600.6253.0	Z5.531.1225.0	Z5.531.4225.0
50	45.5	42.0	13	25.602.6353.0	25.600.6353.0	Z5.531.1325.0	Z5.531.4325.0
50	49.0	45.5	14	25.602.6453.0	25.600.6453.0	Z5.531.1425.0	Z5.531.4425.0
50	52.5	49.0	15	25.602.6553.0	25.600.6553.0	Z5.531.1525.0	Z5.531.4525.0
50	56.0	52.5	16	25.602.6653.0	25.600.6653.0	Z5.531.1625.0	Z5.531.4625.0
1 to 24 pole on request							
Pitch 7.00 mm				on request			

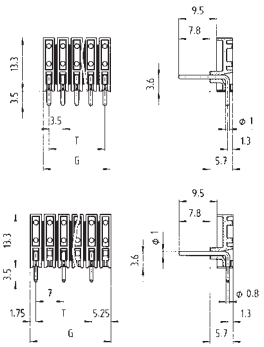
Rated voltages
(Pitch 7 mm): VDE 0110

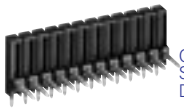
400 V/6 kV/3 – overvoltage category III
690 V/6 kV/2 – overvoltage category II
1000 V/6 kV/1 – overvoltage category I

Materials
PCB terminals
Insulating component: PC grey, UL 94-V0
Clamping parts and contact spring:
tin plated brass
Clamping screw: galvanised steel
Wire protection: tin plated bronze

Header
Insulating component: reinforced PA 66/6
grey or black UL 94-V0
Contact pin: tin plated brass

Pitch 3.50 mm





Colour: black
Solder pin Ø 0.8 mm
Drill hole. Ø 1.0 mm

Colour: black
Solder pin Ø 1.0 mm
Drill hole. Ø 1.3 mm

PCB header

Connection horizontal to PCB

Part No.	Part No.
Colour: black	Colour: black
Z5.532.0225.0 Z5.532.0325.0 Z5.532.0425.0	Z5.532.3225.0 Z5.532.3325.0 Z5.532.3425.0
Z5.532.0525.0 Z5.532.0625.0 Z5.532.0725.0	Z5.532.3525.0 Z5.532.3625.0 Z5.532.3725.0
Z5.532.0825.0 Z5.532.0925.0 Z5.532.1025.0	Z5.532.3825.0 Z5.532.3925.0 Z5.532.4025.0
Z5.532.1125.0 Z5.532.1225.0 Z5.532.1325.0	Z5.532.4125.0 Z5.532.4225.0 Z5.532.4325.0
Z5.532.1425.0 Z5.532.1525.0 Z5.532.1625.0	Z5.532.4425.0 Z5.532.4525.0 Z5.532.4625.0

Two part PCB terminal, pitch 5.00/10.00 mm

wiecon PCB

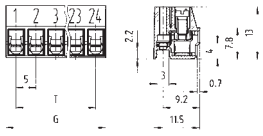
Rated cross section
2.5 mm²

Rated current:
8 A

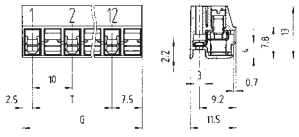
Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

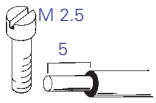
200 V/4 kV/3 – overvoltage category III
250 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I

Pitch 5.00 mm

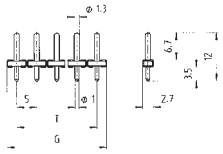


Pitch 10.00 mm

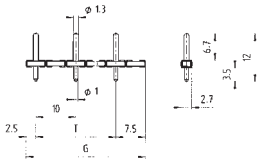


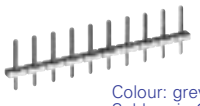


Pitch 5.00 mm



Pitch 10.00 mm





Colour: grey
Solder pin Ø 1.0 mm
Drill hole. Ø 1.3 mm

Colour: black
Solder pin Ø 1.3 mm
Drill hole. Ø 1.6 mm

Type 8142

Connection at 90° to conductor

PCB header

Connection vertical to PCB

Rated voltages VDE 0110 (Pitch 5 mm)
UL Data — No. 22 – 12 AWG — 300 V — 15 A
CSA Data — No. 22 – 12 AWG — 300 V — 15 A
Approvals

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked	Part No. Colour: grey	Part No. Colour: black
Pitch 5.00 mm							
100	10	5	2	25.602.2253.0	25.600.2253.0	Z5.530.0225.0	Z5.530.3225.0
100	15	10	3	25.602.2353.0	25.600.2353.0	Z5.530.0325.0	Z5.530.3325.0
50	20	15	4	25.602.2453.0	25.600.2453.0	Z5.530.0425.0	Z5.530.3425.0
50	25	20	5	25.602.2553.0	25.600.2553.0	Z5.530.0525.0	Z5.530.3525.0
50	30	25	6	25.602.2653.0	25.600.2653.0	Z5.530.0625.0	Z5.530.3625.0
50	35	30	7	25.602.2753.0	25.600.2753.0	Z5.530.0725.0	Z5.530.3725.0
50	40	35	8	25.602.2853.0	25.600.2853.0	Z5.530.0825.0	Z5.530.3825.0
50	45	40	9	25.602.2953.0	25.600.2953.0	Z5.530.0925.0	Z5.530.3925.0
50	50	45	10	25.602.3053.0	25.600.3053.0	Z5.530.1025.0	Z5.530.4025.0
50	55	50	11	25.602.3153.0	25.600.3153.0	Z5.530.1125.0	Z5.530.4125.0
50	60	55	12	25.602.3253.0	25.600.3253.0	Z5.530.1225.0	Z5.530.4225.0
50	65	60	13	25.602.3353.0	25.600.3353.0	Z5.530.1325.0	Z5.530.4325.0
50	70	65	14	25.602.3453.0	25.600.3453.0	Z5.530.1425.0	Z5.530.4425.0
50	75	70	15	25.602.3553.0	25.600.3553.0	Z5.530.1525.0	Z5.530.4525.0
50	80	75	16	25.602.3653.0	25.600.3653.0	Z5.530.1625.0	Z5.530.4625.0
	1 to 24 pole on request						
Pitch 10.00 mm				unmarked	marked		
50	20	10	2	25.603.1253.0	25.601.1253.0	Z5.530.6225.0	Z5.530.8225.0
50	30	20	3	25.603.1353.0	25.601.1353.0	Z5.530.6325.0	Z5.530.8325.0
50	40	30	4	25.603.1453.0	25.601.1453.0	Z5.530.6425.0	Z5.530.8425.0
50	50	40	5	25.603.1553.0	25.601.1553.0	Z5.530.6525.0	Z5.530.8525.0
50	60	50	6	25.603.1653.0	25.601.1653.0	Z5.530.6625.0	Z5.530.8625.0
50	70	60	7	25.603.1753.0	25.601.1753.0	Z5.530.6725.0	Z5.530.8725.0
50	80	70	8	25.603.1853.0	25.601.1853.0	Z5.530.6825.0	Z5.530.8825.0
	9 to 12 pole on request						

Rated voltages
(Pitch 10.00 mm): VDE 0110

500 V/8 kV/3 – overvoltage category III
800 V/8 kV/2 – overvoltage category II
1000 V/8 kV/1 – overvoltage category I

Materials
PCB terminals
Insulating component: PC grey, UL 94-V0
Clamping parts: nickel plated brass
Clamping screw: galvanised steel
Contact spring: tin plated bronze

Header
Insulating component: reinforced PA 66/6 grey or black, UL 94-V0
Contact pin: tin plated brass

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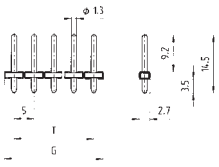
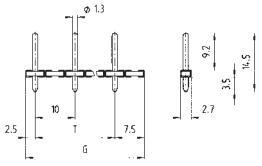
Pitch 5.00 mm



Pitch 10.00 mm



Colour: black
Solder pin Ø 1.0 mm
Drill hole. Ø 1.3 mm

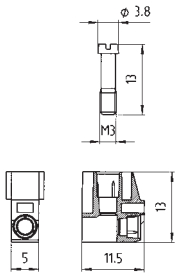
Colour: black
Solder pin Ø 1.3 mm
Drill hole. Ø 1.6 mm

PCB header

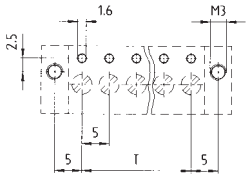
Connection horizontal to PCB

Part No.	Part No.
Colour: black	Colour: black
Z5.540.0225.0	Z5.540.3225.0
Z5.540.0325.0	Z5.540.3325.0
Z5.540.0425.0	Z5.540.3425.0
Z5.540.0525.0	Z5.540.3525.0
Z5.540.0625.0	Z5.540.3625.0
Z5.540.0725.0	Z5.540.3725.0
Z5.540.0825.0	Z5.540.3825.0
Z5.540.0925.0	Z5.540.3925.0
Z5.540.1025.0	Z5.540.4025.0
Z5.540.1125.0	Z5.540.4125.0
Z5.540.1225.0	Z5.540.4225.0
Z5.540.1325.0	Z5.540.4325.0
Z5.540.1425.0	Z5.540.4425.0
Z5.540.1525.0	Z5.540.4525.0
Z5.540.1625.0	Z5.540.4625.0
Z5.540.6225.0	Z5.540.8225.0
Z5.540.6325.0	Z5.540.8325.0
Z5.540.6425.0	Z5.540.8425.0
Z5.540.6525.0	Z5.540.8525.0
Z5.540.6625.0	Z5.540.8625.0
Z5.540.6725.0	Z5.540.8725.0
Z5.540.6825.0	Z5.540.8825.0

vertical mounting position



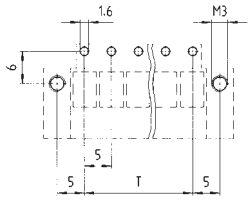
drilling plan for mounting bracket in vertical mounting position



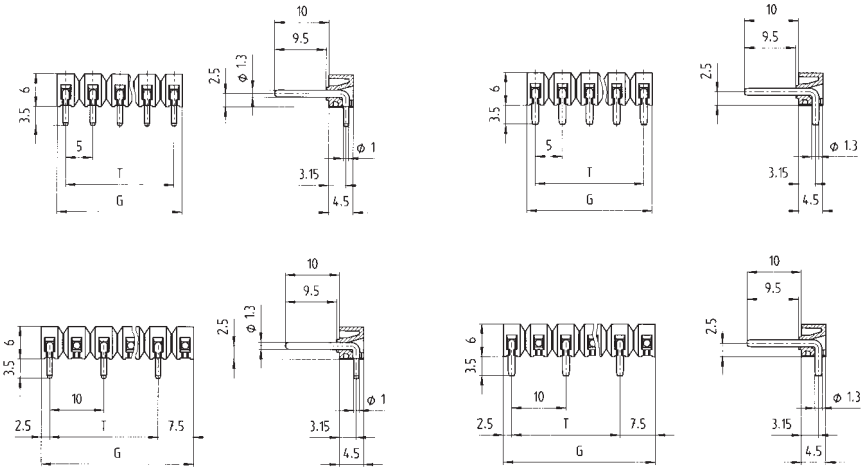
	Part No.	Box Qty
Mounting bracket Insulating component PA 66/6 grey, M 3 screw, galvanised steel	Z5.523.7653.0	100
Coding branch		
Colour white	05.561.9453.0	25
Colour orange	05.561.9453.5	25

horizontal mounting position

drilling plan for mounting bracket in horizontal mounting position



	Part No.	Box Qty
	Z5.523.7653.0	100
Coding branch		
Colour white	05.561.9453.0	25
Colour orange	05.561.9453.5	25



Two part PCB terminal. pitch 5.08 mm

wiecon PCB

cable size

1.5 mm²

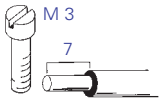
Rated cross section
1.5 mm²

Rated current:
10 A

Wire range:
0.14 – 2.5 mm² single core/
0.14 – 1.5 mm² finely stranded

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

Statement of Conformity/CH



Solder pin Ø 1.3 mm
Drill hole Ø 1.6 mm

Top connector, 10 pole
Type ST 29/10 BC

Connection at 90° to conductor

1.5 mm²	250 V	10 A
No. 22 – 14 AWG	300 V	5 A
No. 22 – 14 AWG	300 V	5 A

PCB header

Connection vertical to PCB

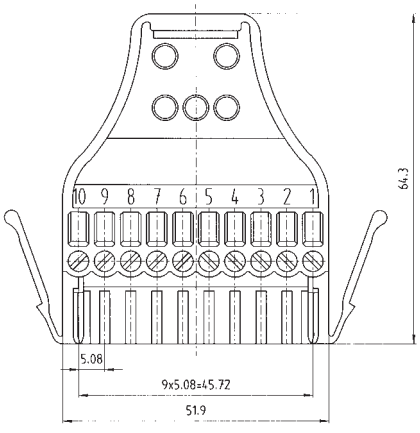
	250 V	10 A
(if all terminals carry current)		10 A

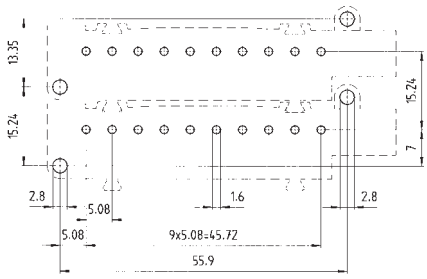
Rated voltages VDE 0110
EN 60 998-1, EN 60 998-2-1
UL Data
CSA Data
Approvals

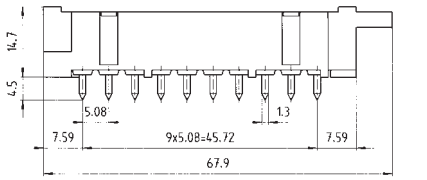
Pole	Type	Part No.	Box Qty	Type	Part No.	Box Qty
Pitch 5.08 mm						
10	ST 29/10 BC	93.101.2053.0	50		Z5.599.9025.0	50

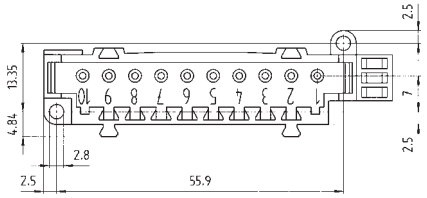
Materials
PCB terminals
Insulating component: PA 66/6 grey, UL 94-V-2
Clamping parts: nickel plated brass
Clamping screw: galvanised steel
Contact spring: tin plated bronze

Header
Insulating component: reinforced PBT grey, UL 94-V0
Contact pin: tin plated brass









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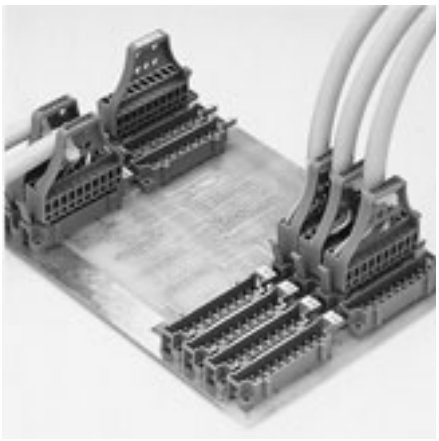


	Type	Part No.	Box Qty
Accessories			
Coding parts, 10 pieces on branch		05.599.8053.0	100
Marking tag, unmarked	9705 A	04.242.0850.0	500
marked	9705 AB	04.842.0850.0	500

Coding
L = PCB terminal
S = header

1. combination	S L L L L L L S
2. combination	S L L L L L S L
3. combination	S L L L L S L L
4. combination	S L L L S L L L
5. combination	S L L S L L L L
6. combination	S L S L L L L L
7. combination	S S L L L L L L
8. combination	L S L L L L L S
9. combination	L S L L L L S L
10. combination	L S L L L S L L
11. combination	L S L L S L L L
12. combination	L S L S L L L L
13. combination	L S S L L L L L
14. combination	L L S L L L L S

etc.

Top connector

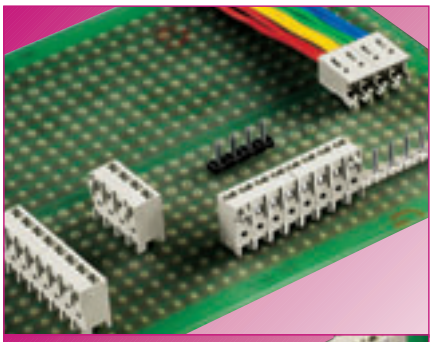
A variation of the top system is a header which can be soldered into PCB's.
The pin spacing is 5.08 mm.
Two holes are provided for fixing the header and there are facilities for:
– strain relief
– locking
– marking

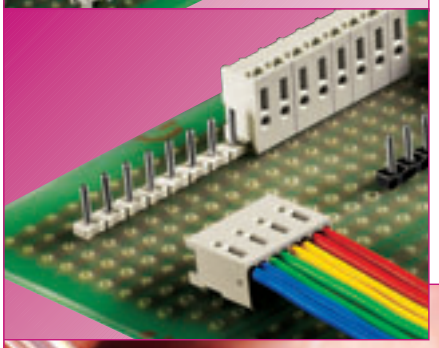
Dovetail guides enable several headers to be snapped on and only the outside plug connectors in this grouping need to be mechanically fixed to the PCB. In order to guarantee the stability required for the PCB's it is recommended that no more than four headers are included in a group.

Terminal block, header, the relevant plug or a plug in module each have eight locators for coding pins.
Coding both parts is a reliable way of preventing the top connection system mating incorrectly.

Two part PCB spring loaded terminal, Type 8520 B

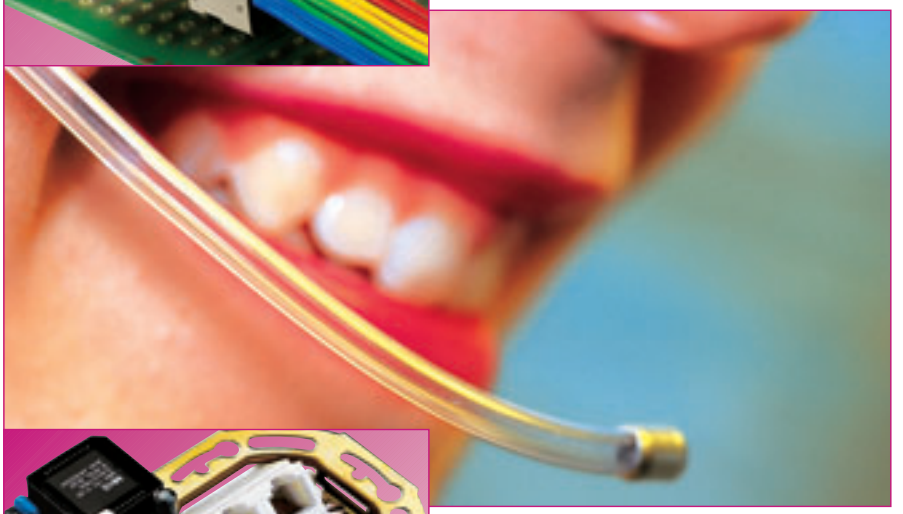
wiecon PCB

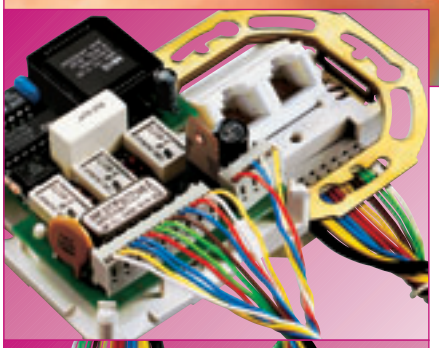


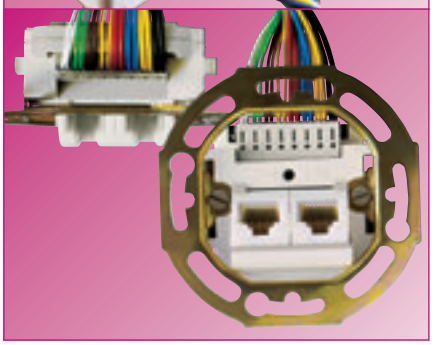


A PCB terminal with a spring loaded connection has the advantage that contact to the printed circuit board can be established quickly and economically. Wieland Electric had designed its new PCB terminal type 8520 with this in mind.

The main areas of use for this type of PCB terminal are in applications where high volumes require an efficient and cost effective operation.



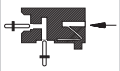




System features:

- ❒ no screw fixing
- ❒ minimised wiring time
- ❒ consistency of clamping force
- ❒ resistant to vibrations and shocks
- ❒ maintenance free

Several versions of type 8520 can service a variety of applications. They are available as a two part header terminal connector and as a soldered design with both straight and angled soldering pins. The rated cross section is 0.5 mm^2 for single core. The conductor can therefore be plugged in easily without having to operate the header clamping spring as part of the same operation. The pitch is 3.5 mm (7.00mm on request). The pole numbers range from 2 to 16 poles.

		Page 324 	Page 325 	Page 325 
Type		**8520 B**	**8520 BL/...W**	**8520 BL/...G**
Pitch	mm	3.50/7.00	3.50/7.00	3.50/7.00
Cross section	mm^2	0.25 – 0.50	0.25 – 0.50	0.25 – 0.50
Pole		2 – 16	2 – 16	2 – 16

Two part PCB terminal with spring loaded connection, Type 8520, pitch 3.50/7.00 mm, 2 x 0.5 mm²

wiecon PCB

Rated cross section
0.5 mm²

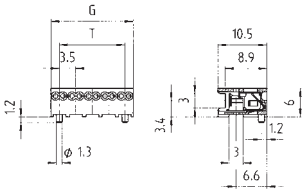
Rated current:
4 A

Wire range:
0.25 – 0.5 mm² single core
2 connections per pole

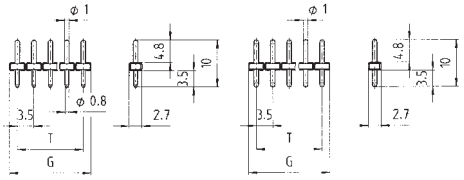
160 V/2.5 kV/3 – overvoltage category III
250 V/2.5 kV/2 – overvoltage category II
*690 V/2.5 kV/1 – overvoltage category I

* max. 600 V for non earthed systems or expected overvoltage ≤ 3 kV for L ≥ 2.0 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm

Pitch 3.50 mm



Pitch 3.50 mm



Colour: grey
Solder pin Ø 0.8 mm
Drill hole. Ø 1.0 mm

Colour: black
Solder pin Ø 1.0 mm
Drill hole. Ø 1.2 mm

Type 8520 B
Connection horizontal and vertical

PCB header 8520 S
Connection vertical to PCB

Rated voltages VDE 0110 (Pitch 3.5 mm)

UL Data	No. 24 – 20 AWG	125 V	4 A
CSA Data	No. 24 – 20 AWG	150 V	4 A

Approvals in preparation

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked	Part No. Colour: grey	Part No. Colour: black
Pitch 3.50 mm							
1000	7.0	3.5	2	25.470.0253.0	25.470.3253.0	Z5.535.0225.0	Z5.535.3225.0
1000	10.5	7.0	3	25.470.0353.0	25.470.3353.0	Z5.535.0325.0	Z5.535.3325.0
1000	14.0	10.5	4	25.470.0453.0	25.470.3453.0	Z5.535.0425.0	Z5.535.3425.0
500	17.5	14.0	5	25.470.0553.0	25.470.3553.0	Z5.535.0525.0	Z5.535.3525.0
500	21.0	17.5	6	25.470.0653.0	25.470.3653.0	Z5.535.0625.0	Z5.535.3625.0
500	24.5	21.0	7	25.470.0753.0	25.470.3753.0	Z5.535.0725.0	Z5.535.3725.0
500	28.0	24.5	8	25.470.0853.0	25.470.3853.0	Z5.535.0825.0	Z5.535.3825.0
250	31.5	28.0	9	25.470.0953.0	25.470.3953.0	Z5.535.0925.0	Z5.535.3925.0
250	35.0	31.5	10	25.470.1053.0	25.470.4053.0	Z5.535.1025.0	Z5.535.4025.0
250	38.5	35.0	11	25.470.1153.0	25.470.4153.0	Z5.535.1125.0	Z5.535.4125.0
250	42.0	38.5	12	25.470.1253.0	25.470.4253.0	Z5.535.1225.0	Z5.535.4225.0
250	45.5	42.0	13	25.470.1353.0	25.470.4353.0	Z5.535.1325.0	Z5.535.4325.0
250	49.0	45.5	14	25.470.1453.0	25.470.4453.0	Z5.535.1425.0	Z5.535.4425.0
250	52.5	49.0	15	25.470.1553.0	25.470.4553.0	Z5.535.1525.0	Z5.535.4525.0
250	56.0	52.5	16	25.470.1653.0	25.470.4653.0	Z5.535.1625.0	Z5.535.4625.0
Pitch 7.00 mm				on request			

Rated voltages
(Pitch 7.00 mm): VDE 0110

400 V/6 kV/3 – overvoltage category III
690 V/6 kV/2 – overvoltage category II
1000 V/6 kV/1 – overvoltage category I

Materials
PCB terminals
Insulating component: PA 66/6. UL 94-V0
Clamping spring: special copper alloy, tin plated

Header
Insulating component: reinforced PA 66/6 grey or black, UL 94-V0
Contact pin: tin plated brass

PCB terminal with spring loaded connection, Type 8520, pitch 3.50/7.00 mm, 2 x 0.5 mm²

Rated cross section
0.5 mm²

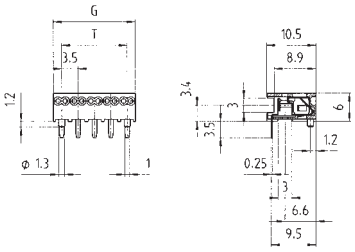
Rated current:
4 A

Wire range:
0.25 – 0.5 mm² single core
2 connections per pole

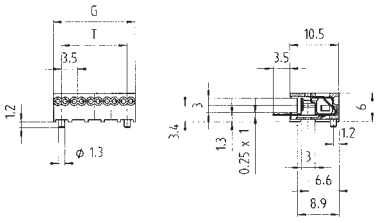
160 V/2.5 kV/3 – overvoltage category III
250 V/2.5 kV/2 – overvoltage category II
*690 V/2.5 kV/1 – overvoltage category I

* max. 600 V for non earthed systems or expected overvoltage ≤ 3 kV for L ≥ 2.0 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm

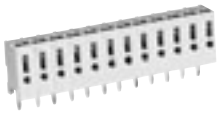
Pitch 3.50 mm



Pitch 3.50 mm



Solder pin 0.25 x 1.0 mm
Drill hole Ø 1.1 mm



Type 8520 BL/...W
Conductor horizontal to PCB

Type 8520 BL/...G
Conductor vertical to PCB

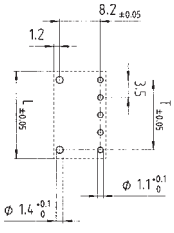
Rated voltages VDE 0110				
UL Data	No. 24 – 20 AWG	125 V	4 A	No. 24 – 20 AWG 125 V 4 A
CSA Data	No. 24 – 20 AWG	150 V	4 A	No. 24 – 20 AWG 150 V 4 A
Approvals in preparation				

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked	Part No. unmarked	Part No. marked
Pitch 3.50 mm							
1000	7.0	3.5	2	25.471.0253.0	25.471.3253.0	25.472.0253.0	25.472.3253.0
1000	10.5	7.0	3	25.471.0353.0	25.471.3353.0	25.472.0353.0	25.472.3353.0
1000	14.0	10.5	4	25.471.0453.0	25.471.3453.0	25.472.0453.0	25.472.3453.0
500	17.5	14.0	5	25.471.0553.0	25.471.3553.0	25.472.0553.0	25.472.3553.0
500	21.0	17.5	6	25.471.0653.0	25.471.3653.0	25.472.0653.0	25.472.3653.0
500	24.5	21.0	7	25.471.0753.0	25.471.3753.0	25.472.0753.0	25.472.3753.0
500	28.0	24.5	8	25.471.0853.0	25.471.3853.0	25.472.0853.0	25.472.3853.0
250	31.5	28.0	9	25.471.0953.0	25.471.3953.0	25.472.0953.0	25.472.3953.0
250	35.0	31.5	10	25.471.1053.0	25.471.4053.0	25.472.1053.0	25.472.4053.0
250	38.5	35.0	11	25.471.1153.0	25.471.4153.0	25.472.1153.0	25.472.4153.0
250	42.0	38.5	12	25.471.1253.0	25.471.4253.0	25.472.1253.0	25.472.4253.0
250	45.5	42.0	13	25.471.1353.0	25.471.4353.0	25.472.1353.0	25.472.4353.0
250	49.0	45.5	14	25.471.1453.0	25.471.4453.0	25.472.1453.0	25.472.4453.0
250	52.5	49.0	15	25.471.1553.0	25.471.4553.0	25.472.1553.0	25.472.4553.0
250	56.0	52.5	16	25.471.1653.0	25.471.4653.0	25.472.1653.0	25.472.4653.0
Pitch 7.00 mm				on request			

Rated voltages
(Pitch 7.00 mm): VDE 0110

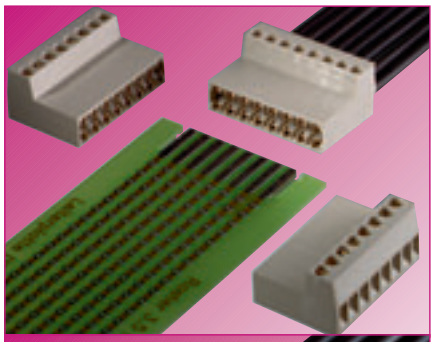
400 V/6 kV/3 – overvoltage category III
690 V/6 kV/2 – overvoltage category II
1000 V/6 kV/1 – overvoltage category I

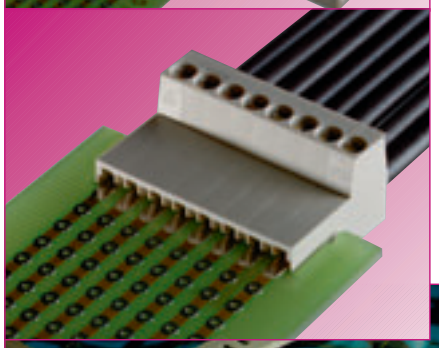
Drilling plan for version with 3.50/7.00 mm pitch with angled solder pin and locating cams

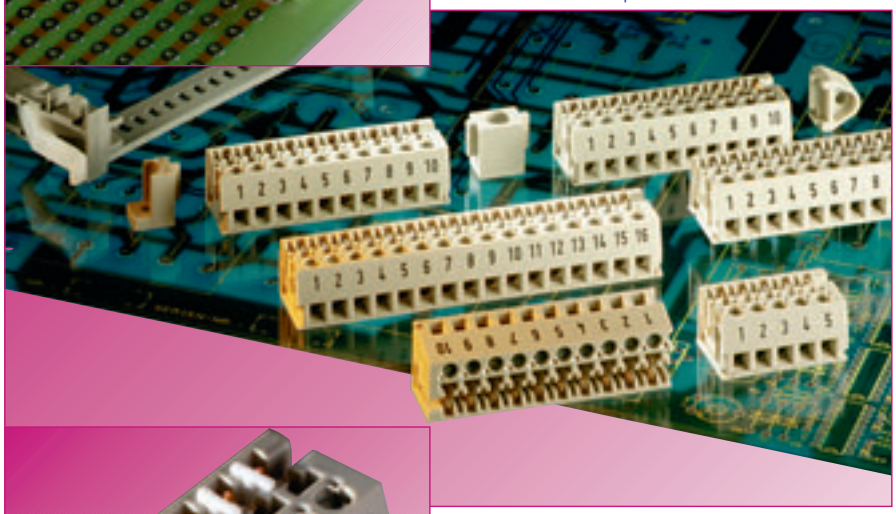


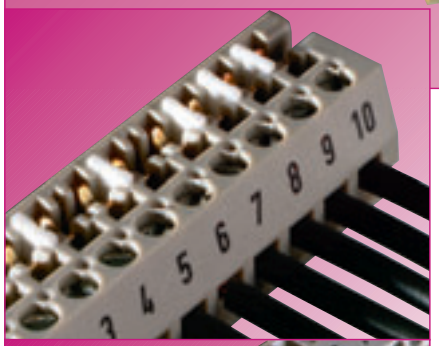
PCB edge connector terminals

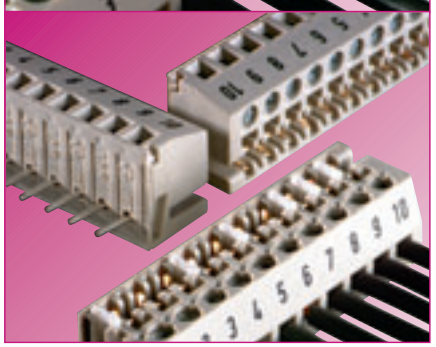
wiecon PCB











Edge connection describes the method used to connect a plug in terminal to a PCB without using a special connecting element such as a pluggable or pin header

System features

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

Coding

- ❒ coding does not effect the number of available poles
- ❒ PCB with coding slots for the location of the plug-in barriers in the contact part
- ❒ Coding can be effected by uilising slots in the contact part of the connector

Marking

- ❒ by means of inkjet printer directly onto the using indelible ink
- ❒ clear pole marking which is easy to read
- ❒ special marking is possible on request

abbreviations for plastic material marking

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

Type range

- ❒ 3.5 mm and 5 mm pitch
- ❒ 2 – 24 pole can be supplied
- ❒ connecting conductor sizes up to 1.5 mm^2
- ❒ with open side walls for expansion without effecting the pitch or with closed side walls and therefore no possibility of miss connection
- ❒ with or without solder pin

Card holder

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

Materials

Metal components:

- ❒ made from special alloys and/or special surface treatments
- ❒ minimum contact resistance
- ❒ high corrosion protection

Insulating housing:

- ❒ high quality polyamide, used because of its excellent electrical, mechanical and chemical properties (see ***facts*** & DATA section)
- ❒ material in accordance with US-Norm UL 94-V0
- ❒ Colour grey, similar to RAL 7032

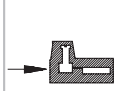
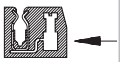
Note:
The conductor size and connecting voltage current capacity relate to unprepared conductors without ferrules.

The rated current specified corresponds to the maximum load of PCB terminal and the size of the connected conductor.

The rated voltage is specified in accordance with DIN VDE 0110 Part 1 (IEC 60 664-1) – Insulation regulations for electrical equipment in low voltage installations and refers to the received condition of the PCB terminals.

When fitting PCB terminals to the PCB, the appropriate terminal should be selected with consideration given to the relevant electrical and physical properties suitable to the application. Also, attention should be paid to circuit board tracking, creepage and clearances as well as distances between individual conductor and solder pads.

In addition, the various forms of environmental pollutants and their degree of influence can effect the performance of a piece of equipment. A system approach is therefore required to ensure that the electrical and other parameters of the PCB terminal match those governed by the functionality of the printed circuit board design.

		Page 328	Page 328	Page 330	Page 330
					
Type		**DST 85**	**DSTLF 85**	**LPST 1**	**LPSTL 1**
Pitch	**mm**	**3.50**	**3.50**	**5.00**	**5.00**
Cross section	**mm²**	**1.5**	**1.5**	**2.5**	**2.5**
Pole		**2 – 24**	**2 – 24**	**2 – 20**	**2 – 20**

It is necessary to ensure for all soldered PCB terminals without an insulation plate that the torques are supported when the clamping screws are tightened i.e. that the terminals are locked against rotation.

For prototypes, it is recommended that only 2 and 3 pole versions should be used with a contact plate/locating cams.

PCB edge connector, pitch 3.50 mm

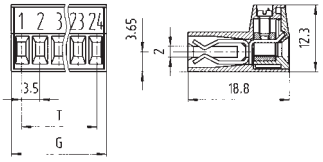
wiecon PCB

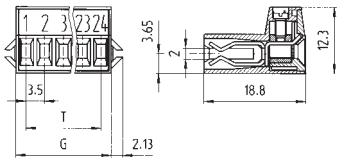
Rated cross section
1.5 mm²

Rated current:
6 A

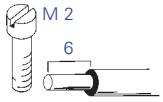
Wire range:
0.14 – 1.5 mm² single-/finely stranded

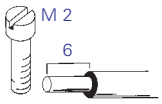
125 V/2.5 kV/3 – overvoltage category III
250 V/2.5 kV/2 – overvoltage category II
*690 V/2.5 kV/1 – overvoltage category I





* max. 600 V for non earthed systems or expected overvoltage ≤ 3 kV for L ≥ 2.0 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm





Type DST 85

Connection in line with conductor

Type DST LF 85

Connection in line with conductor

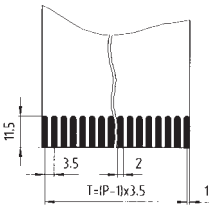
Rated voltages VDE 0110
UL Data — No. 30 – 14 AWG — 300 V — 6 A
CSA Data — No. 30 – 14 AWG — 300 V — 6 A
Approvals

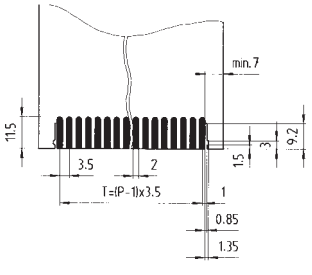
Rated voltages VDE 0110
UL Data — No. 30 – 14 AWG — 300 V — 6 A
CSA Data — No. 30 – 14 AWG — 300 V — 6 A
Approvals

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked	Part No. unmarked	Part No. marked
Pitch 3.50 mm							
100	7.1	3.4	2	25.003.0253.0	25.002.0253.0	25.005.0253.0	25.004.0253.0
100	10.5	6.8	3	25.003.0353.0	25.002.0353.0	25.005.0353.0	25.004.0353.0
50	14.0	10.3	4	25.003.0453.0	25.002.0453.0	25.005.0453.0	25.004.0453.0
50	17.5	13.8	5	25.003.0553.0	25.002.0553.0	25.005.0553.0	25.004.0553.0
50	21.0	17.3	6	25.003.0653.0	25.002.0653.0	25.005.0653.0	25.004.0653.0
50	24.5	20.8	7	25.003.0753.0	25.002.0753.0	25.005.0753.0	25.004.0753.0
50	28.0	24.3	8	25.003.0853.0	25.002.0853.0	25.005.0853.0	25.004.0853.0
50	31.5	27.8	9	25.003.0953.0	25.002.0953.0	25.005.0953.0	25.004.0953.0
50	35.0	31.3	10	25.003.1053.0	25.002.1053.0	25.005.1053.0	25.004.1053.0
50	38.5	34.8	11	25.003.1153.0	25.002.1153.0	25.005.1153.0	25.004.1153.0
50	42.0	38.3	12	25.003.1253.0	25.002.1253.0	25.005.1253.0	25.004.1253.0
only available up to 12 pole							

Thickness of PCB: 1.4 mm – 1.8 mm

Materials
PCB terminals
Insulating housing: PA 66/6 grey, UL 94-V0
Clamping parts: nickel plated brass
Clamping screw: galvanised steel
Contact spring: tin plated bronze





wiecon

PCB edge connector, pitch 5.00 mm

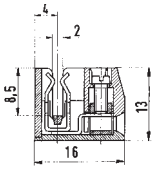
wiecon PCB

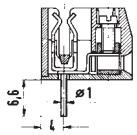
Rated cross section:
2.5 mm²

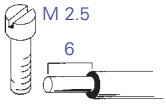
Rated current:
5 A

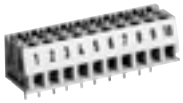
Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

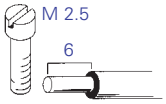
200 V/4 kV/3 – overvoltage category III
320 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I











without solder connection for PCB

Type LPST 1

connection at 90° to conductor

Rated voltages VDE 0110
UL Data
CSA Data
Approvals

No. 22 – 14 AWG 300 V 5 A
No. 22 – 14 AWG 300 V 5 A

with solder connection for PCB

Type LPSTL 1

connection at 90° to conductor

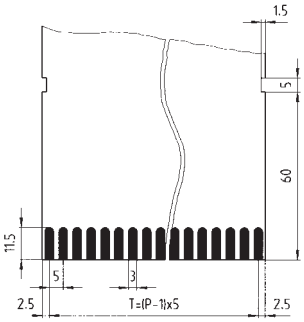
No. 22 – 14 AWG 300 V 5 A
No. 22 – 14 AWG 300 V 5 A

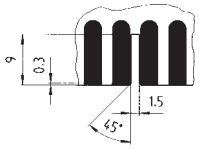
Box Qty	U	G	T	Pole	Part No.	Part No.	Part No.
pitch 5.00 mm					marked	unmarked	marked
100	25	14	5	2	25.000.0256.0	25.010.0256.0	25.001.0256.0
100	30	19	10	3	25.000.0356.0	25.010.0356.0	25.001.0356.0
50	35	24	15	4	25.000.0456.0	25.010.0456.0	25.001.0456.0
50	40	29	20	5	25.000.0556.0	25.010.0556.0	25.001.0556.0
50	45	34	25	6	25.000.0656.0	25.010.0656.0	25.001.0656.0
50	50	39	30	7	25.000.0756.0	25.010.0756.0	25.001.0756.0
50	55	44	35	8	25.000.0856.0	25.010.0856.0	25.001.0856.0
50	60	49	40	9	25.000.0956.0	25.010.0956.0	25.001.0956.0
50	65	54	45	10	25.000.1056.0	25.010.1056.0	25.001.1056.0
50	70	59	50	11	25.000.1156.0	25.010.1156.0	25.001.1156.0
50	75	64	55	12	25.000.1256.0	25.010.1256.0	25.001.1256.0
50	80	69	60	13	25.000.1356.0	25.010.1356.0	25.001.1356.0
50	85	74	65	14	25.000.1456.0	25.010.1456.0	25.001.1456.0
50	90	79	70	15	25.000.1556.0	25.010.1556.0	25.001.1556.0
50	95	84	75	16	25.000.1656.0	25.010.1656.0	25.001.1656.0
				17 to 20 pole on request			

Thickness of PCB: 1.4 mm – 1.8 mm

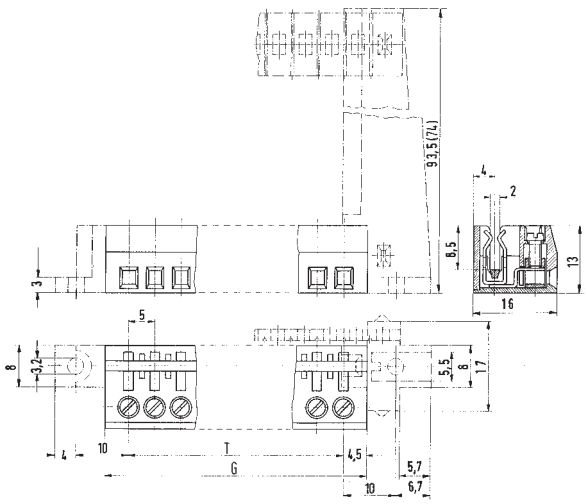
Materials
PCB terminals
Insulating housing: reinforced PA grey, UL 94-V2
Clamping part: nickel plated brass
Clamping screw: galvanised steel
Contact spring: bronze
– silver plated for LPST 1
– tin plated for LPSTL 1

wiecon





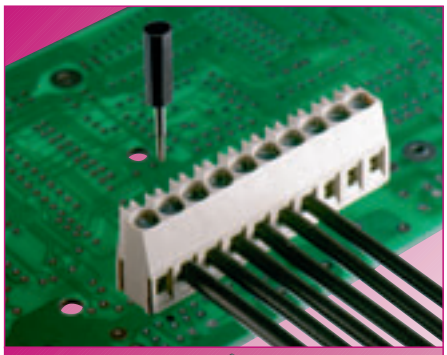
The PCB edge connectors are fixed by means of mounting brackets. PCB guides are to be used with the card bracket in the case of large PCBs. These brackets have locating cams top and bottom and on both sides to which perforated strips can be fixed if necessary. This provides a stable guide frame.

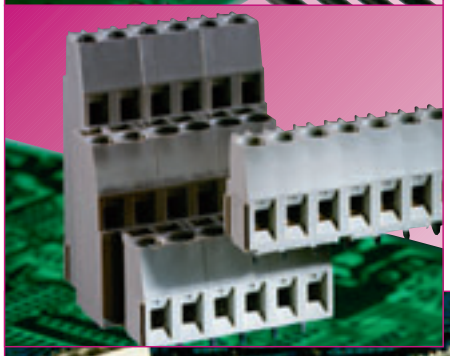


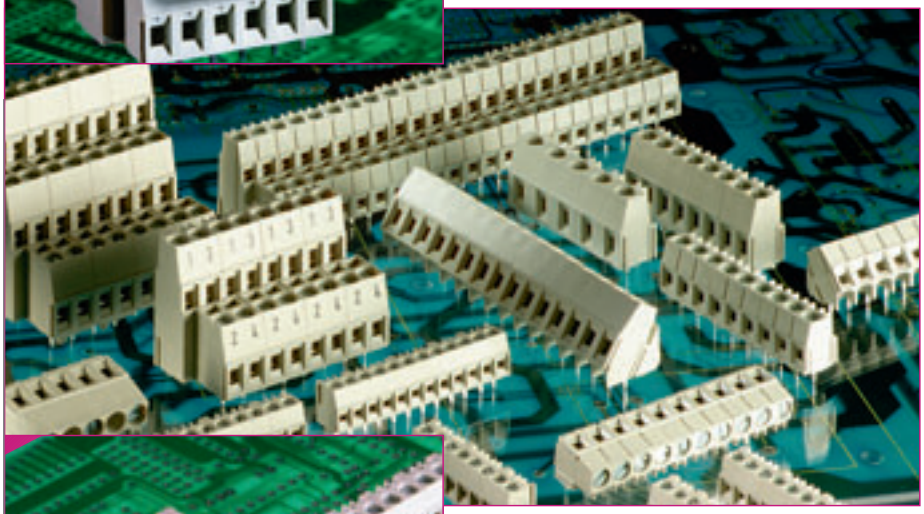
Type	Part No.	Box Qty
		
Mounting bracket H 93.5 mm		
with PCB guide	05.593.8853.0	100
locating lever	05.594.3653.0	200
Mounting bracket H 74 mm with PCB guide		
with locating cams	05.599.2853.0	100
without locating cams	05.599.2953.0	100
		
Perforated strip	07.413.3653.0	100
 *		
Coding chip	05.593.7756.0	500
		
Mounting bracket	05.522.7356.0	200
		
Mounting bracket	05.522.7856.0	200
		
Centre clamp	05.522.7756.0	100

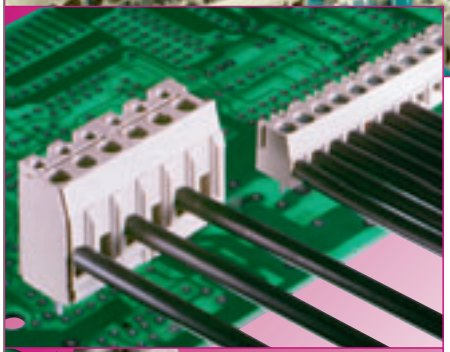
* outer wall can be right, left or absent as components are created by cutting to the corresponding number of poles → external coding is not possible

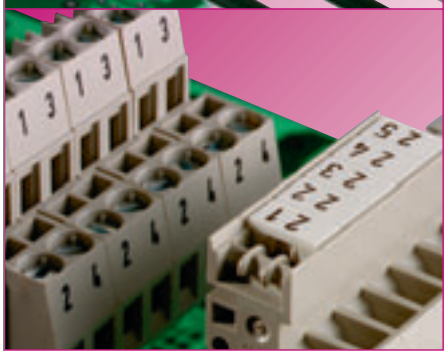
wiecon PCB











Systems feature

- ❒ PCB terminals with rising cage clamp connection
- ❒ PCB terminal with spring loaded connection
- ❒ PCB terminal with top connection
- ❒ terminal can be soldered directly onto PCB
- ❒ low mechanical loading of the solder area
- ❒ straight forward interconnection
- ❒ conductors can be individually matched to the relevant applications
- ❒ various numbers of pole combinations
- ❒ connection of single core and finely stranded conductors between 0.14 mm^2 and 16 mm^2
- ❒ metric and imperial pitch sizes. The pitch measured in inches can be identified by a pip on the conductor guide funnel
- ❒ conductor clamping by means of rising cage clamp with/without wire protection

Marking

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

Abbreviations for plastic material markings

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

Type range

- ❒ 2 – 24 poles
- ❒ connection of conductors horizontal and vertical in relation to the PCB
- ❒ conductors can be connected at a 45° or 35°
- ❒ with metric:
  3.5/5/7.5/10) mm
  or imperial:
  3.81/5.08/7.62/10.16/20.32 mm
- ❒ slot together individual terminals
- ❒ multipole blocks
- ❒ with or without insulating plate
- ❒ with or without testing plug connection
- ❒ with or without fixing cams

Materials

metal components

- ❒ made from special alloys and/or special surface treatments
- ❒ low contact resistance
- ❒ high corrosion protection
- ❒ secure, dynamic clamping functions

Insulating housing

- ❒ high quality Polyamide 66/6 used because of its excellent electrical, mechanical and chemical properties (see individual terminals for material marking)

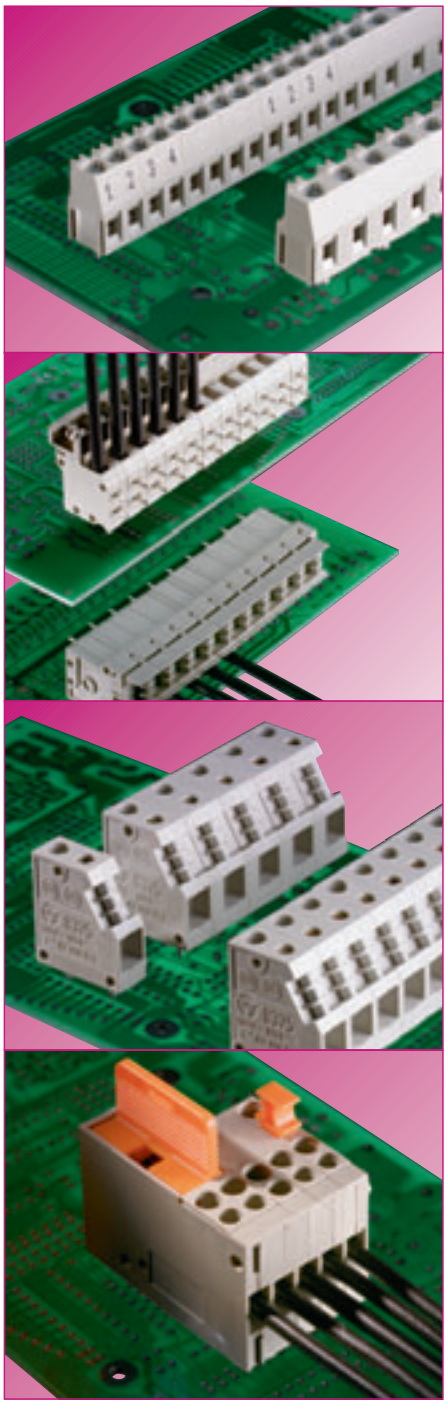
Benefits

- ❒ material in accordance with UL 94-V0
- ❒ glass filled for additional reinforcement

DQS certification for all product areas

- ❒ Quality standard in accordance with DIN ISO 9001
- ❒ In development, production and installation
- ❒ Continued control of the quality standard by means of regular internal and external quality audits
- ❒ Compatible with certificates of other countries:
  - BSI, Great Britain
  - SQS, Switzerland
  - Aib-Vincotte, Belgium
  - ÖQS, Austria

wiecon



Insulating plate

- ❒ metal components covered with a plastic plate
- ❒ The safety ratings for creepage distances and clearances can be observed even with the PCB tracks directly under the PCB terminal
- ❒ with 2 and 3 pole terminals, fixing cams on the insulating plate reduce the effect of mechanical force on terminal and solder area

Top connection

- ❒ screw connection parallel to the connecting lead
- ❒ very good accessibility for the operator in restricted installation conditions
- ❒ snap-on marker tag
- ❒ double solder pins for stability

Individual terminals

- ❒ terminals snap together individually
- ❒ secure connection
- ❒ the pitch can be expanded by means of an intermediate plate
- ❒ pitches available in the following sizes: 5.00/5.08/6.35/7.50/7.62/10.00/ 10.16/20.32 mm
- ❒ with cover plate
- ❒ double solder pins for stability

Special terminals

- ❒ snap together individually
- ❒ pitch 5.08 mm
- ❒ secure fixing to the PCB with double solder pins
- ❒ modular terminal
- ❒ disconnect terminal
- ❒ fuse terminal with removable fuse link and integrated return conductor
- ❒ test socket for 2 mm or 3 mm test plug

Note:
The conductor size and connecting voltage/current capacity relate to unprepared conductors without ferrules.

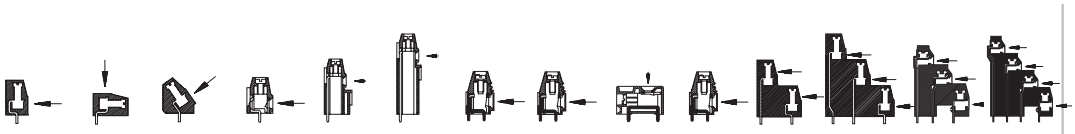
The rated current specified corresponds to the maximum load of the PCB terminal and the size of the connected conductor.

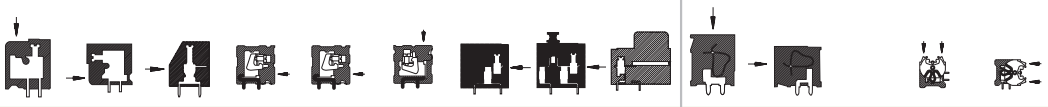
The rated voltage is specified in accordance with DIN VDE 0110 Part 1 (IEC 60 664-1) – Insulation regulations for electrical equipment in low voltage installations and refers to the received condition of the PCB terminals.

When fitting PCB terminals to the PCB, the appropriate terminal should be selected with consideration given to the relevant electrical and physical properties suited to the application. Also, attention should be paid to circuit board tracking creepage and clearances as well as distances between individual conductors and solder pads.

In addition, the various forms of environmental pollutants and their degree of influence can effect the performance of a piece of equipment. A system approach is therefore required to ensure that the electrical and other parameters of the PCB terminal match those governed by the functionality of the printed circuit board design.

wiecon PCB

PCB terminals		
Cross section (finely stranded)	**pitch**	**Rising cage clamp**
1 mm²	3.50	8593 page 336
	3.81	8893 page 336
1.5 mm²	5.00/ 10.00	8192 page 338 · 8192 ZW page 339 · 8134 page 360 · 8192 E page 364 · 8195 D page 372 · 8195 V page 375
	5.08	8292 page 338 · 8292 ZW page 339 · 8234 page 360 · 8292 H page 341 · 8292 EH page 340 · 8292 DH page 340 · 8292 E page 364
	7.50	
	7.62	
2.5 mm²	5.00/ 10.00	8190 page 358 · 8191 page 344 · 8191 ZW page 345 · 8135 page 362 · 8190 E page 368 · 8191 E page 357 · 8191 D page 357
	5.00	8191 R page 342 · 8191 page 344 · 8195 D page 372 · 8195 V page 373
	5.08	8291 R page 342 · 8291 page 357 · 8291 ZW page 357 · 8235 page 357 · 8291 E page 357 · 8291 D page 357
	7.50	8390 page 359 · 8491 page 346 · 8391 ZW page 347
	7.62	8491 page 346 · 8491 ZW page 347
4 mm²	6.35	
	7.50	
	7.62	
	10.00	
10 mm²	10.16	7572 L2 page 376 · 7572 L4 page 376 · 7573 L2/W page 375
	20.32	7572 L2 page 376



Top connection				Special terminals					Spring clamp terminals				
												8152 TOP V page 348	**8152** TOP H page 348
												8152 TOP V page 348	**8152** TOP H page 348
8185 TOP V page 349	**8185** TOP H page 350								**8158** TOP V page 353	**8158** TOP H page 353			
8285 TOP V page 349	**8285** TOP H page 350					**8276** page 378	**8276** TKS page 378	**8276** Si-D page 379	**8258** TOP V page 353	**8258** TOP H page 353			
8385 TOP V page 351	**8385** TOP H page 352								**8358** TOP V page	**8358** TOP H page			
8485 TOP V page 351	**8485** TOP H page 352								**8458** TOP V page 354	**8458** TOP H page 354			
			7386 TOP H page 355										
		8375 page 374											
				8486 TOP H page 356	**8486** TOP V page 356								
		8375 page 374											

PCB terminal, rising cage clamp system pitch 3.50/3.81 mm

wiecon PCB

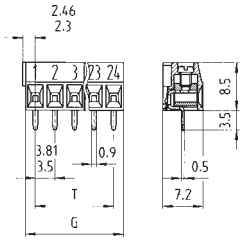
Rated cross section:
1.0 mm²

Rated current:
10 A

Wire range:
0.14 – 1.5 mm² single core/
0.14 – 1.0 mm² finely stranded

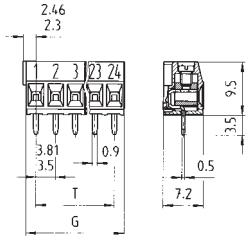
160 V/2.5 kV/3 – overvoltage category III
*250 V/2.5 kV/2 – overvoltage category II
**690 V/2.5 kV/1 – overvoltage category I

without insulating plate



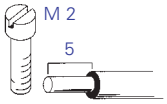
Solder pin 0.5 x 0.9 mm
Drill hole Ø 1.1 mm

with insulating plate



* up to 400 V in overvoltage category I
or expected overvoltage ≤ 3 kV for L ≥ 2.0 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm

** max. 600 V for non-earthed systems or expected overvoltage ≤ 3 kV for L ≥ 2.0 mm and ≤ 2.5 kV for 2.0 mm > L ≥ 1.5 mm



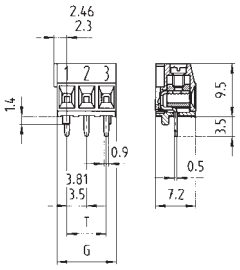
Type 8593/8893
Conductor horizontal to PCB

Materials
Insulating housing: PA 66/6 grey, UL 94-V2
Clamping part: nickel plated brass
Contact and solder pin: tin plated bronze
Clamping screw: galvanised steel

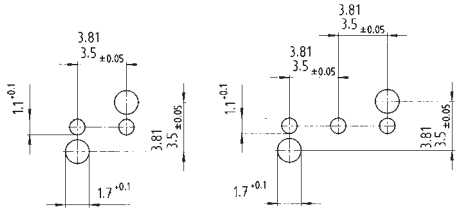
Rated voltages VDE 0110		
UL Data	No. 30 – 16 AWG	300 V 10 A
CSA Data	No. 30 – 16 AWG	300 V 10 A
Approvals		

Box Qty	L	T	Pole	Part No. unmarked without insulating plate	Part No. marked without insulating plate	Part No. unmarked with insulating plate with locating cams	Part No. marked with insulating plate with locating cams
pitch 3.50 mm							
100	7.0	3.5	2	25.195.0253.0	25.194.0253.0	25.195.9253.0	25.194.9253.0
100	10.5	7.0	3	25.195.0353.0	25.194.0353.0	25.195.9353.0	25.194.9353.0
50	14.0	10.5	4	25.195.0453.0	25.194.0453.0		
50	17.5	14.0	5	25.195.0553.0	25.194.0553.0		
50	21.0	17.5	6	25.195.0653.0	25.194.0653.0		
50	24.5	21.0	7	25.195.0753.0	25.194.0753.0		
50	28.0	24.5	8	25.195.0853.0	25.194.0853.0		
50	31.5	28.0	9	25.195.0953.0	25.194.0953.0		
50	35.0	31.5	10	25.195.1053.0	25.194.1053.0		
50	38.5	35.0	11	25.195.1153.0	25.194.1153.0		
50	42.0	38.5	12	25.195.1253.0	25.194.1253.0		
50	45.5	42.0	13	25.195.1353.0	25.194.1353.0		
50	49.0	45.5	14	25.195.1453.0	25.194.1453.0		
50	52.5	49.0	15	25.195.1553.0	25.194.1553.0		
50	56.0	52.5	16	25.195.1653.0	25.194.1653.0		
	17 to 24 pole on request						
pitch 3.81 mm				unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
100	7.62	3.81	2	25.197.0253.0	25.196.0253.0	25.197.9253.0	25.196.9253.0
100	11.43	7.62	3	25.197.0353.0	25.196.0353.0	25.197.9353.0	25.196.9353.0
50	15.24	11.43	4	25.197.0453.0	25.196.0453.0		
50	19.50	15.24	5	25.197.0553.0	25.196.0553.0		
50	22.86	19.05	6	25.197.0653.0	25.196.0653.0		
50	26.67	22.86	7	25.197.0753.0	25.196.0753.0		
50	30.48	26.67	8	25.197.0853.0	25.196.0853.0		
50	34.29	30.48	9	25.197.0953.0	25.196.0953.0		
50	38.10	34.29	10	25.197.1053.0	25.196.1053.0		
50	41.91	38.10	11	25.197.1153.0	25.196.1153.0		
50	45.72	41.91	12	25.197.1253.0	25.196.1253.0		
50	49.53	45.72	13	25.197.1353.0	25.196.1353.0		
50	53.34	49.53	14	25.197.1453.0	25.196.1453.0		
50	57.15	53.34	15	25.197.1553.0	25.196.1553.0		
50	60.96	57.15	16	25.197.1653.0	25.196.1653.0		
	17 to 24 pole on request						

with insulating plate **and** locating cams



Drilling plan for version **with** locating cams



Part No.	Part No.
unmarked with insulating plate without locating cams	marked with insulating plate without locating cams
on request	on request
unmarked with insulating plate without locating cams	marked with insulating plate without locating cams
on request	on request

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

wiecon PCB

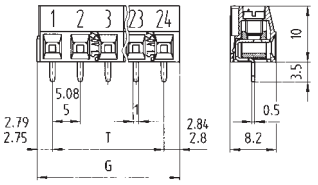
Rated cross section:
1.5 mm²

Rated current:
10 A

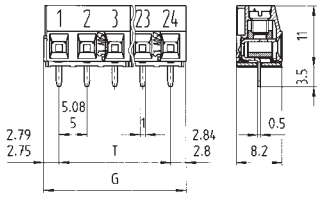
Wire range:
0.14 – 2.5 mm² single core/
0.14 – 1.5 mm² finely stranded

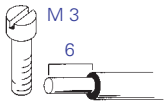
250 V/4 kV/3 – overvoltage category III
*690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I

without insulating plate



with insulating plate





Solder pin 0.5 x 1 mm
Drill hole Ø 1.2 mm

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

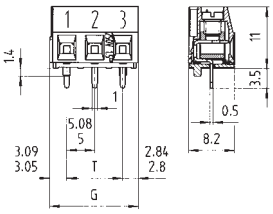
Type 8192/8292
Conductor horizontal to PCB

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

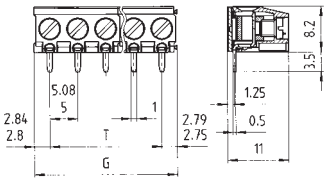
Rated voltages VDE 0110			
UL Data	No. 30 – 14 AWG	300 V	15/16 A
CSA Data	No. 30 – 14 AWG	300 V	15 A
Approvals			

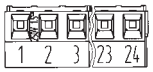
Box Qty	G	T	Pole	Part No. unmarked without insulating plate	Part No. marked without insulating plate	Part No. unmarked with insulating plate with locating cams	Part No. marked with insulating plate with locating cams
pitch 5.00 mm							
100	10.55	5	2	25.191.0253.0	25.190.0253.0	25.191.9253.0	25.190.9253.0
100	15.55	10	3	25.191.0353.0	25.190.0353.0	25.191.9353.0	25.190.9353.0
50	20.55	15	4	25.191.0453.0	25.190.0453.0		
50	25.55	20	5	25.191.0553.0	25.190.0553.0		
50	30.55	25	6	25.191.0653.0	25.190.0653.0		
50	35.55	30	7	25.191.0753.0	25.190.0753.0		
50	40.55	35	8	25.191.0853.0	25.190.0853.0		
50	45.55	40	9	25.191.0953.0	25.190.0953.0		
50	50.55	45	10	25.191.1053.0	25.190.1053.0		
50	55.55	50	11	25.191.1153.0	25.190.1153.0		
50	60.55	55	12	25.191.1253.0	25.190.1253.0		
50	65.55	60	13	25.191.1353.0	25.190.1353.0		
50	70.55	65	14	25.191.1453.0	25.190.1453.0		
50	75.55	70	15	25.191.1553.0	25.190.1553.0		
50	80.55	75	16	25.191.1653.0	25.190.1653.0		
	17 to 24 pole on request						
pitch 5.08 mm				unmarked without insulating plate	marked without insulating plate	unmarked with insulating plate with locating cams	marked with insulating plate with locating cams
100	10.71	5.08	2	25.193.0253.0	25.192.0253.0	25.193.9253.0	25.192.9253.0
100	15.79	10.16	3	25.193.0353.0	25.192.0353.0	25.193.9353.0	25.192.9353.0
50	20.87	15.24	4	25.193.0453.0	25.192.0453.0		
50	25.95	20.32	5	25.193.0553.0	25.192.0553.0		
50	31.03	25.40	6	25.193.0653.0	25.192.0653.0		
50	36.11	30.48	7	25.193.0753.0	25.192.0753.0		
50	41.19	35.56	8	25.193.0853.0	25.192.0853.0		
50	46.27	40.64	9	25.193.0953.0	25.192.0953.0		
50	51.35	45.72	10	25.193.1053.0	25.192.1053.0		
50	56.43	50.80	11	25.193.1153.0	25.192.1153.0		
50	61.51	55.88	12	25.193.1253.0	25.192.1253.0		
50	66.59	60.96	13	25.193.1353.0	25.192.1353.0		
50	71.67	66.04	14	25.193.1453.0	25.192.1453.0		
50	76.75	71.12	15	25.193.1553.0	25.192.1553.0		
50	81.83	76.20	16	25.193.1653.0	25.192.1653.0		
	17 to 24 pole on request						

with insulating plate **with** locating cams

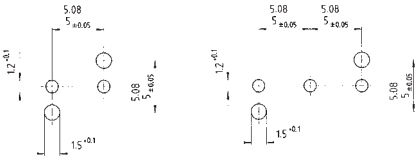


with insulating plate, horizontal

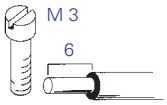




Drilling plan for version **with** locating cams



Solder pin 0.5 x 1 mm
Drill hole Ø 1.2 mm



Type 8192 ZW/8292 ZW

Conductor vertical to PCB

VDE 0110			
UL-Daten	field/factory wiring	No. 30 – 14 AWG	300 V 15/16 A
CSA-Daten		No. 30 – 14 AWG	300 V 15 A
Zulassungen			

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		25.191.6253.0 25.191.6353.0 25.191.6453.0	on request
		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	
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		25.193.6253.0 25.193.6353.0 25.193.6453.0	on request
		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	

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

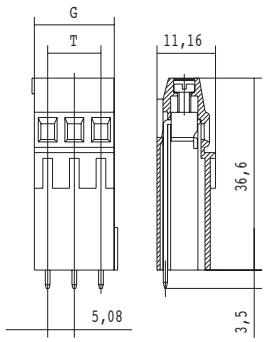
wiecon PCB

Rated cross section:
1.5 mm²

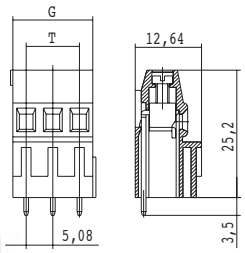
Rated current 15 A for Type 8292 DH
Rated current 15 A for Type 8292 EH
Rated current 15 A for Type 8292 H
(based on ambient temperature of 20 °C, rated cross section and max. number of poles)

Wire range:
0.5 – 1.5 mm² single core/finely stranded

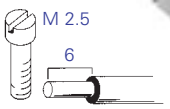
250 V/4 kV/3 – overvoltage category III
250 V/4 kV/2 – overvoltage category II
500 V/4 kV/1 – overvoltage category I



Solder pin 0.8 x 1 mm
Drill hole Ø 1.3 mm



Solder pin 0.8 x 1 mm
Drill hole Ø 1.3 mm



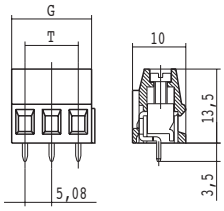
Rated voltages VDE 0110

		Type 8292 DH			Type 8292 EH		
UL Data	field wiring	No. 24 – 14 AWG	300 V	10 A	No. 24 – 14 AWG	300 V	10 A
CSA Data	field wiring	No. 24 – 14 AWG	300 V	10 A	No. 24 – 14 AWG	300 V	10 A
Approvals							

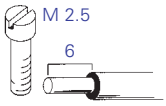
Box Qty	G	T	Pole	Part No.	Part No.	Part No.	Part No.
pitch 5.08 mm				unmarked		unmarked	
100	10.16	5.08	2	27.000.4253.0		27.000.2253.0	
100	15.24	10.16	3	27.000.4353.0		27.000.2353.0	

A supporting element for the 8292 DH should be provided on the PCB.

A supporting element for the 8292 EH should be provided on the PCB.



Solder pin 0.8 x 1 mm
Drill hole Ø 1.3 mm



Type 8292 H

No. 24 – 14 AWG	300 V	10 A
No. 24 – 14 AWG	300 V	10 A

Part No.	Part No.
unmarked	
27.000.0253.0 27.000.0353.0	

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

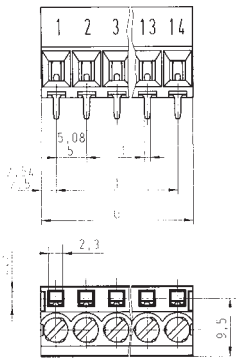
wiecon PCB

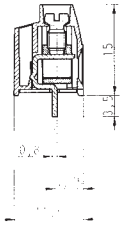
Rated cross section:
2.5 mm²

Rated current:
16 A

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

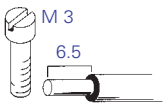
250 V/4 kV/3 – overvoltage category III
*690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I





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

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



Solder pin 1 x 0.8 mm
Drill hole Ø 1.3 mm

Available with slotted screw on request

Type 81 – 8291 R

Conductor horizontal to PCB
(with closed test probe)

Rated voltages VDE 0110		
UL Data	No. 22 – 12 AWG	300 V 20/30 A
CSA Data	No. 22 – 12 AWG	300 V 25 A
Approvals		

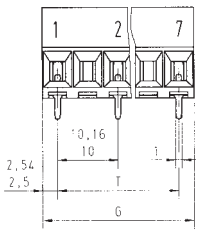
Box Qty	G	T	Pole	Part No.	Part No.
pitch 5.00 mm		**Type 8191 R**		unmarked with insulating plate	marked with insulating plate
500	10.85	5	2	25.155.0253.0	25.155.2253.0
500	15.85	10	3	25.155.0353.0	25.155.2353.0
250	20.85	15	4	25.155.0453.0	25.155.2453.0
250	25.85	20	5	25.155.0553.0	25.155.2553.0
200	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

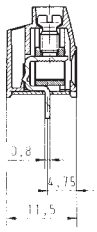
PCB terminal, rising cage clamp system, pitch 10.00/10.16 mm

Rated cross section:
2.5 mm²

Rated current:
16 A

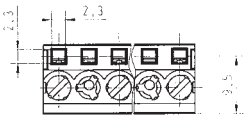
Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

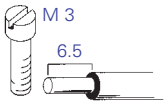




Materials
Insulating housing: PA 66/6 grey, UL 94-V0
Clamping part: nickel plated brass
Contact and solder pin: tin plated E-Cu
Clamping screw: galvanised steel

690 V/8 kV/3 – overvoltage category III
1000 V/8 kV/2 – overvoltage category II
1000 V/8 kV/1 – overvoltage category I





Solder pin 1 x 0.8 mm
Drill hole Ø 1.3 mm

Available with slotted screw on request

Type 81 – 8291 R

Conductor horizontal to PCB

(with closed test probe, each fitted with 2 poles)

Rated voltages VDE 0110		
UL Data	No. 22 – 12 AWG	600 V 20/30 A
CSA Data	No. 22 – 12 AWG	600 V 25 A
Approvals		

Box Qty	G	T	Pole	Part No. unmarked with insulating plate	Part No. marked with insulating plate
pitch 10.00 mm		**Type 8191 R**			
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		**Type 8291 R**		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

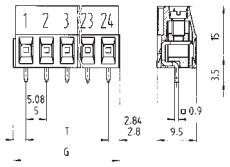
Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

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

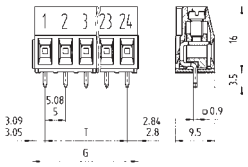
Rated voltages:
pitch 10.00 mm VDE 0110
690 V/8 kV/3 – overvoltage category III
1000 V/8 kV/2 – overvoltage category II
1000 V/8 kV/1 – overvoltage category I

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

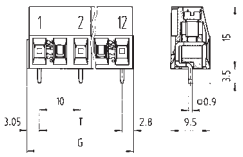
pitch 5.00/5.08 mm, without insulating plate



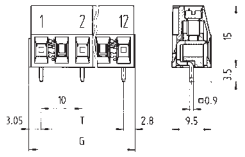
with insulating plate, without locating cams

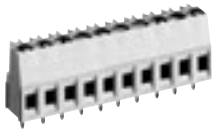


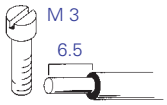
pitch 10.00 mm, without insulating plate



with insulating plate, without locating cams







Solder pin 0.9 x 0.9 mm
Drill hole Ø 1.3 mm

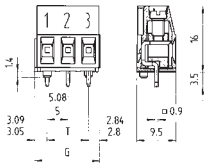
Type 8191/8291

Conductor horizontal to PCB
(with open test probe)

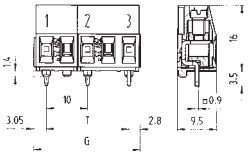
Rated voltages VDE 0110		
UL Data	field/factory wiring	No. 22 – 12 AWG 300 V 20/30 A
CSA Data		No. 22 – 12 AWG 300 V 25 A
Approvals		

Box Qty	G	T	Pole	Part No. unmarked without insulating plate	Part No. marked without insulating plate	Part No. unmarked with insulating plate with locating cams	Part No. 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	2	25.169.0253.0	25.168.0253.0	25.169.6253.0	25.168.6253.0
50	25.85	20	3	25.169.0353.0	25.168.0353.0	25.169.6353.0	25.168.6353.0

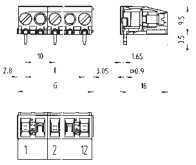
with insulating plate **with** locating cams



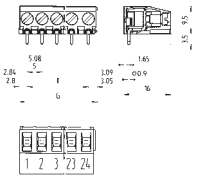
with insulating plate **with** locating cams



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

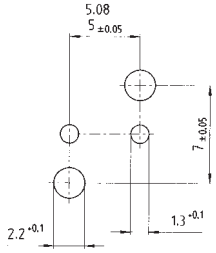
Type 8191 ZW/8291 ZW

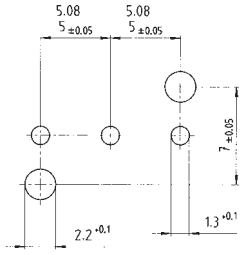
Conductor vertical to PCB

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

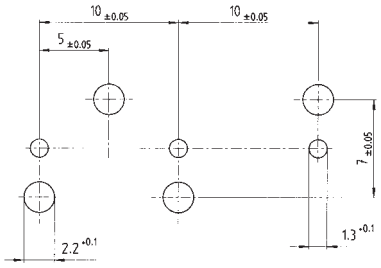
No. 22 – 12 AWG	300 V	20/30 A
No. 22 – 12 AWG	300 V	25 A

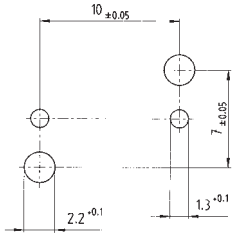
Drilling plan for version **with** locating cams, pitch 5.00/5.08 mm





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





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 25.161.6353.0 25.161.6453.0	25.160.6253.0 25.160.6353.0 25.160.6453.0
		25.161.6553.0 25.161.6653.0 25.161.6753.0	25.160.6553.0 25.160.6653.0 25.160.6753.0
		25.161.6853.0 25.161.6953.0 25.161.7053.0	25.160.6853.0 25.160.6953.0 25.160.7053.0
		25.161.7153.0 25.161.7253.0 25.161.7353.0	25.160.7153.0 25.160.7253.0 25.160.7353.0
		25.161.7453.0 25.161.7553.0 25.161.7653.0	25.160.7453.0 25.160.7553.0 25.160.7653.0
on request	on request	25.163.6253.0 25.163.6353.0 25.163.6453.0	25.162.6253.0 25.162.6353.0 25.162.6453.0
		25.163.6553.0 25.163.6653.0 25.163.6753.0	25.162.6553.0 25.162.6653.0 25.162.6753.0
		25.163.6853.0 25.163.6953.0 25.163.7053.0	25.162.6853.0 25.162.6953.0 25.162.7053.0
		25.163.7153.0 25.163.7253.0 25.163.7353.0	25.162.7153.0 25.162.7253.0 25.162.7353.0
		25.163.7453.0 25.163.7553.0 25.163.7653.0	25.162.7453.0 25.162.7553.0 25.162.7653.0
25.169.2253.0 25.169.2353.0	25.168.2253.0 25.168.2353.0	25.169.4253.0 25.169.4353.0	25.168.4253.0 25.168.4353.0

PCB terminal, rising cage clamp system, pitch 7.50/7.62 mm

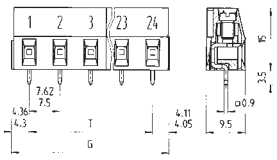
wiecon PCB

Rated cross section:
2.5 mm²

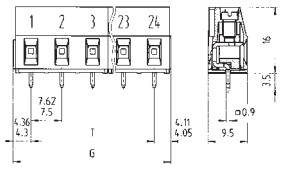
Rated current:
16 A

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

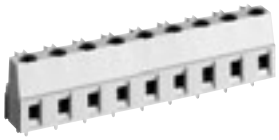
without insulating plate

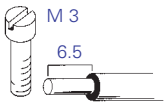


with insulating plate, **without** locating cams



400 V/6 kV/3 – overvoltage category III
1000 V/6 kV/2 – overvoltage category II
1000 V/6 kV/1 – overvoltage category I





Solder pin 0.9 x 0.9 mm
Drill hole Ø 1.3 mm

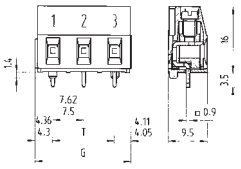
Type 8391/8491
Conductor horizontal to PCB

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

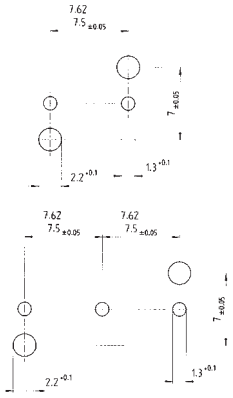
Rated voltages VDE 0110		
UL Data	No. 22 – 12 AWG	300 V 20/30 A
CSA Data	No. 22 – 12 AWG	300 V 25 A
Approvals		

Box Qty	G	T	Pole	Part No. unmarked without insulating plate	Part No. unmarked with insulating plate without locating cams	Part No. unmarked with insulating plate with locating cams	Part No. marked without insulating plate
pitch 7.50 mm							
100	15.85	7.5	2	25.165.0253.0	25.165.3253.0	25.175.0253.0	25.164.0253.0
100	23.35	15.0	3	25.165.0353.0	25.165.3353.0	25.175.0353.0	25.164.0353.0
	4 to 24 pole on request						
pitch 7.62 mm							
100	16.09	7.62	2	25.167.0253.0	25.167.3253.0	25.177.0253.0	25.166.0253.0
100	23.71	15.24	3	25.167.0353.0	25.167.3353.0	25.177.0353.0	25.166.0353.0
	4 to 24 pole on request						

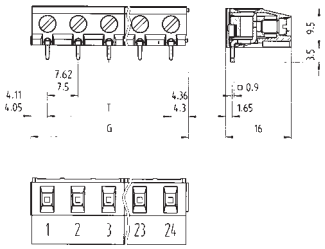
with insulating plate **with** locating cams



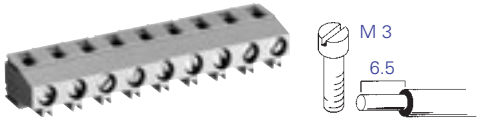
Drilling plan for versions **with** locating cams



with insulating plate horizontal



Solder pin 0.9 x 0.9 mm
Drill hole Ø 1.3 mm



Type 8391 ZW/8491 ZW

Conductor vertical to PCB

No. 22 – 12 AWG	300 V	20/30 A
No. 22 – 12 AWG	300 V	25 A

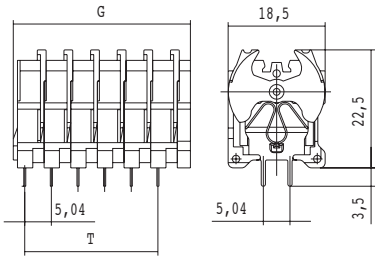
Part No.	Part No.	Part No.	Part No.
marked with insulating plate without locating cams	marked with insulating plate with locating cams	unmarked with insulating plate horizontal	marked with insulating plate horizontal
25.164.3253.0 25.164.3353.0	25.174.0253.0 25.174.0353.0	25.165.6253.0 25.165.6353.0	25.164.6253.0 25.164.6353.0
marked with insulating plate without locating cams	marked with insulating plate with locating cams	unmarked with insulating plate horizontal	marked with insulating plate horizontal
25.166.3253.0 25.166.3353.0	25.176.0253.0 25.176.0353.0	25.167.6253.0 25.167.6353.0	25.166.6253.0 25.166.6353.0

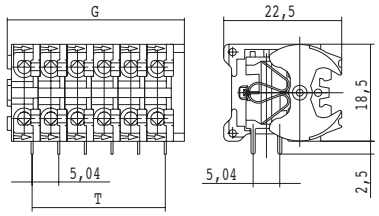
PCB terminal, TOP spring clamp, pitch 5.00/5.08 mm

wiecon PCB

Rated cross section:
1.5 mm²

Rated current:
16 A
(based on ambient temperature 20 °C rated cross section and max. number of poles)

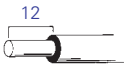




Wire range:
0.50 – 2.5 mm² single core/
0.50 – 1.5 mm² finely stranded

250 V/4 kV/3 – overvoltage category III

Solder pin 0.8 x 0.4 mm
Drill hole Ø 1.3 mm



Solder pin 0.8 x 0.4 mm
Drill hole Ø 1.3 mm

					Type 8152 TOP V			**Type 8152 TOP H**		
Rated voltages VDE 0110										
UL Data				field wiring	No. 26 – 14 AWG	300 V	10 A	No. 26 – 14 AWG	300 V	10 A
CSA Data					No. 22 – 14 AWG	300 V	10 A	No. 22 – 14 AWG	300 V	10 A
Approvals										
	Box Qty	G	T	Pole	Part No.			Part No.		
pitch 5.00 mm										
	100	8.34	5.04	1	27.720.0153.0			27.730.0153.0		
	100	13.38	10.08	2	27.720.0253.0			27.730.0253.0		
	100	18.42	15.12	3	27.720.0353.0			27.730.0353.0		
	50	23.46	20.16	4	27.720.0453.0			27.730.0453.0		
	50	28.50	25.20	5	27.720.0553.0			27.730.0553.0		
	50	33.54	30.24	6	27.720.0653.0			27.730.0653.0		
	50	38.58	35.28	7	27.720.0753.0			27.730.0753.0		
	50	43.62	40.32	8	27.720.0853.0			27.730.0853.0		
	50	48.66	45.30	9	27.720.0953.0			27.730.0953.0		
	50	53.70	50.40	10	27.720.1053.0			27.730.1053.0		

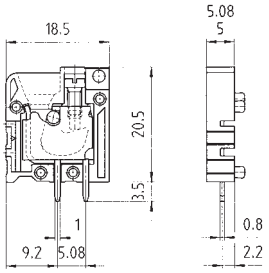
PCB terminal, TOP connection system, pitch 5.00/5.08 mm

Rated cross section:
2.5 mm²

Rated current:
16 A

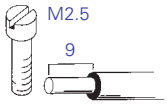
Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

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: galvanised steel
Contact and solder pin: tin plated E-Cu
Clamp: galvanised steel
Clamping screw: galvanised steel

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



Solder pin 0.8 x 1.0 mm
Drill hole Ø 1.3 mm

Rated voltages VDE 0110
UL Data field-/factory wiring
CSA Data
Approvals

Type 8185 TOP V
Conductor vertical to PCB
No. 22/30 – 12 AWG 300 V 20/25 A
No. 22 – 12 AWG 300 V 20 A

Type 8285 TOP V

		Type	Part No.	Box Qty	Type	Part No.	Box Qty
Terminal block		**pitch 5.00 mm**			**pitch 5.08 mm**		
	2 pole	8185 TOP V	25.741.0253.0	100	8285 TOP V	25.751.0253.0	100
	3 pole	8185 TOP V	25.741.0353.0	100	8285 TOP V	25.751.0353.0	100
	4 pole	8185 TOP V	25.741.0453.0	50	8285 TOP V	25.751.0453.0	50
	5 pole	8185 TOP V	25.741.0553.0	50	8285 TOP V	25.751.0553.0	50
	6 pole	8185 TOP V	25.741.0653.0	50	8285 TOP V	25.751.0653.0	50
	7 pole	8185 TOP V	25.741.0753.0	50	8285 TOP V	25.751.0753.0	50
	8 pole	8185 TOP V	25.741.0853.0	50	8285 TOP V	25.751.0853.0	50
	9 pole	8185 TOP V	25.741.0953.0	50	8285 TOP V	25.751.0953.0	50
	10 pole	8185 TOP V	25.741.1053.0	50	8285 TOP V	25.751.1053.0	50
	11 pole	8185 TOP V	25.741.1153.0	50	8285 TOP V	25.751.1153.0	50
	12 pole	8185 TOP V	25.741.1253.0	50	8285 TOP V	25.751.1253.0	50
	13 pole	8185 TOP V	25.741.1353.0	50	8285 TOP V	25.751.1353.0	50
	14 pole	8185 TOP V	25.741.1453.0	50	8285 TOP V	25.751.1453.0	50
	15 pole	8185 TOP V	25.741.1553.0	50	8285 TOP V	25.751.1553.0	50
	16 pole	8185 TOP V	25.741.1653.0	50	8285 TOP V	25.751.1653.0	50
Individual poles connected in series							
Pitch 5.00 and 5.08 mm	1 pole	8185 TOP V	25.741.0053.0	100	8285 TOP V	25.751.0053.0	100
End plate		AP 8385 TOP N	07.300.4753.0	50	AP 8385 TOP N	07.300.4753.0	50
Marker tag holder, snap-on	1 pole		04.242.4253.0	100		04.242.4253.0	100
Marker tag holder, snap-on, for group marking, overall width 5.00 mm		BZ 8185 TOP N	04.242.5853.0	50			
Marking strips	unmarked	9705 A/5/10	04.242.5053.0	25			
	[1]marked	9705 A/5/10 B	04.842.5053.0	25			
Marking branch	Labelled 1, 2, 3 ... 0	9704 A/1-0 B	04.841.2150.0	25			
Single tag	unmarked	9705 A	04.242.0800.0				
	[1]marked	9705 AB	04.842.0850.0	500			
Adhesive marking strips	1 – 12 (100 x)		04.007.4089.0	1			
	13 – 24 (100 x)		04.007.4189.0	1			

[1] Labelling on request

PCB terminal, TOP connection system, pitch 5.00/5.08 mm

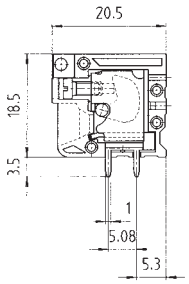
wiecon PCB

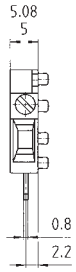
Rated cross section:
2.5 mm²

Rated current:
16 A

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

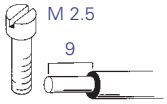
250 V/4 kV/3 – overvoltage category III
*690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I





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

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



Solder pin 0.8 x 1.0 mm
Drill hole Ø 1.3 mm

Rated voltages VDE 0110
UL Data — field-/factory wiring
CSA Data
Approvals

Type 8185 TOP H
Conductor horizontal to PCB
No. 22/30 – 12 AWG 300 V 20/25 A
No. 22 – 12 AWG 300 V 20 A

Type 8285 TOP H

		Type	Part No.	Box Qty	Type	Part No.	Box Qty
Terminal block		**pitch 5.00 mm**			**pitch 5.08 mm**		
	2 pole	8185 TOP H	25.741.3253.0	100	8285 TOP H	25.751.3253.0	100
	3 pole	8185 TOP H	25.741.3353.0	100	8285 TOP H	25.751.3353.0	100
	4 pole	8185 TOP H	25.741.3453.0	50	8285 TOP H	25.751.3453.0	50
	5 pole	8185 TOP H	25.741.3553.0	50	8285 TOP H	25.751.3553.0	50
	6 pole	8185 TOP H	25.741.3653.0	50	8285 TOP H	25.751.3653.0	50
	7 pole	8185 TOP H	25.741.3753.0	50	8285 TOP H	25.751.3753.0	50
	8 pole	8185 TOP H	25.741.3853.0	50	8285 TOP H	25.751.3853.0	50
	9 pole	8185 TOP H	25.741.3953.0	50	8285 TOP H	25.751.3953.0	50
	10 pole	8185 TOP H	25.741.4053.0	50	8285 TOP H	25.751.4053.0	50
	11 pole	8185 TOP H	25.741.4153.0	50	8285 TOP H	25.751.4153.0	50
	12 pole	8185 TOP H	25.741.4253.0	50	8285 TOP H	25.751.4253.0	50
	13 pole	8185 TOP H	25.741.4353.0	50	8285 TOP H	25.751.4353.0	50
	14 pole	8185 TOP H	25.741.4453.0	50	8285 TOP H	25.751.4453.0	50
	15 pole	8185 TOP H	25.741.4553.0	50	8285 TOP H	25.751.4553.0	50
	16 pole	8185 TOP H	25.741.4653.0	50	8285 TOP H	25.751.4653.0	50
Individual poles connected in series							
Pitch 5.00 and 5.08 mm	1 pole	8185 TOP H	25.741.0153.0	100	8285 TOP H	25.751.0153.0	100
End plate		AP 8385 TOP N	07.300.4753.0	50	AP 8385 TOP N	07.300.4753.0	50
Marker tag holder, snap-on	1 pole		04.242.4253.0	100		04.242.4253.0	100
Marker tag holder, snap-on, for group marking, overall width 5.00 mm		 BZ 8185 TOP N	04.242.5853.0	50			
Marking strips	unmarked	9705 A/5/10	04.242.5053.0	25			
	[1]marked	9705 A/5/10 B	04.842.5053.0	25			
Marking branch	Labelled 1, 2, 3 ... 0	9704 A/1-0 B	04.841.2150.0	25			
Single tag	unmarked	9705 A	04.242.0850.0	500			
	[1]marked	9705 AB	04.842.0850.0	500			
Adhesive marking strips	1 – 12 (100 x)		04.007.4089.0	1			
	13 – 24 (100 x)		04.007.4189.0	1			

[1] Labelling on request

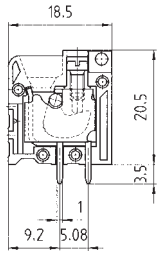
PCB terminal, TOP connection system, pitch 7.50/7.62 mm

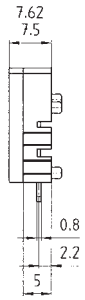
Rated cross section:
2.5 mm²

Rated current:
16 A

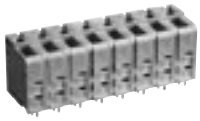
Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

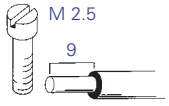
400 V/6 kV/3 – overvoltage category III
1000 V/6 kV/2 – overvoltage category II
1000 V/6 kV/1 – overvoltage category I





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





Solder pin 0.8 x 1.0 mm
Drill hole Ø 1.3 mm

		Type 8385 TOP V		Type 8485 TOP V	
Rated voltages VDE 0110		Conductor vertical to PCB			
UL Data	field-/factory wiring	No. 22/30 – 12 AWG	300 V 20/25 A	No. 22/30 – 12 AWG	300 V 20/25 A
CSA Data		No. 22 – 12 AWG	300 V 20 A	No. 22 – 12 AWG	300 V 20 A
Approvals					

	Type	Part No.	Box Qty	Type	Part No.	Box Qty
Terminal block	**pitch 7.50 mm**			**pitch 7.62 mm**		
2 pole	8385 TOP V	25.761.0253.0	100	8485 TOP V	25.771.0253.0	100
3 pole	8385 TOP V	25.761.0353.0	100	8485 TOP V	25.771.0353.0	100
4 pole	8385 TOP V	25.761.0453.0	50	8485 TOP V	25.771.0453.0	50
5 pole	8385 TOP V	25.761.0553.0	50	8485 TOP V	25.771.0553.0	50
6 pole	8385 TOP V	25.761.0653.0	50	8485 TOP V	25.771.0653.0	50
7 pole	8385 TOP V	25.761.0753.0	50	8485 TOP V	25.771.0753.0	50
8 pole	8385 TOP V	25.761.0853.0	50	8485 TOP V	25.771.0853.0	50
Pole numbers can be latched together on request						
Individual poles connected in series						
Pitch 7.50 and 7.62 mm 1 pole	8385 TOP V	25.761.0053.0	100	8485 TOP V	25.771.0053.0	100
End plate	AP 8385 TOP N	07.300.4753.0	50	AP 8385 TOP N	07.300.4753.0	50
Marker tag holder, snap-on 1 pole		04.242.4253.0	100		04.242.4253.0	100
Marker tag holder, snap-on, for group marking, overall width 5.00 mm	BZ 8185 TOP N	04.242.5853.0	50			
Marking strips unmarked	9705 A/7,5/10	04.242.7553.0	25			
[1]marked	9705 A/7,5/10 B	04.842.7553.0	25			
Marking branch Labelled 1, 2, 3 ... 0	9704 A/1-0 B	04.841.2150.0	25			
Single tag unmarked	9705 A	04.242.0850.0	500			
[1]marked	9705 AB	04.842.0850.0	500			
Adhesive marking strips						

[1] Labelling on request

PCB terminal, TOP connection system, pitch 7.50/7.62 mm

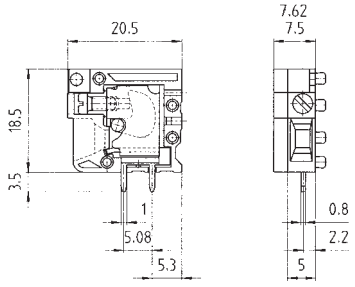
wiecon PCB

Rated cross section:
2.5 mm²

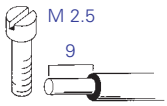
Rated current:
16 A

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

400 V/6 kV/3 – overvoltage category III
1000 V/6 kV/2 – overvoltage category II
1000 V/6 kV/1 – overvoltage category I



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



Solder pin 0.8 x 1.0 mm
Drill hole Ø 1.3 mm

Rated voltages VDE 0110
UL Data — field-/factory wiring
CSA Data
Approvals

Type 8385 TOP H
Conductor horizontal to PCB
No. 22/30 – 12 AWG 300 V 20/25 A
No. 22 – 12 AWG 300 V 20 A

Type 8485 TOP H

		Type	Part No.	Box Qty	Type	Part No.	Box Qty
Terminal block		**pitch 7.50 mm**			**pitch 7.62 mm**		
	2 pole	8385 TOP H	25.761.3253.0	100	8485 TOP H	25.771.3253.0	100
	3 pole	8385 TOP H	25.761.3353.0	100	8485 TOP H	25.771.3353.0	100
	4 pole	8385 TOP H	25.761.3453.0	50	8485 TOP H	25.771.3453.0	50
	5 pole	8385 TOP H	25.761.3553.0	50	8485 TOP H	25.771.3553.0	50
	6 pole	8385 TOP H	25.761.3653.0	50	8485 TOP H	25.771.3653.0	50
	7 pole	8385 TOP H	25.761.3753.0	50	8485 TOP H	25.771.3753.0	50
	8 pole	8385 TOP H	25.761.3853.0	50	8485 TOP H	25.771.3853.0	50
Individual poles connected in series							
Pitch 5.00 and 5.08 mm	1 pole	8385 TOP H	25.761.0153.0	100	8485 TOP H	25.771.0153.0	100
End plate		AP 8385 TOP N	07.300.4753.0	50	AP 8385 TOP N	07.300.4753.0	50
Marker tag holder, snap-on	1 pole		04.242.4253.0	100		04.242.4253.0	100
Marker tag holder, snap-on, for group marking, overall width 5.00 mm		BZ 8185 TOP N	04.242.5853.0	50			
Marking strips	unmarked	9705 A/7,5/10	04.242.7553.0	25			
	[1]marked	9705 A/7,5/10 B	04.842.7553.0	25			
Marking branch	Labelled 1, 2, 3 ... 0	9704 A/1-0 B	04.841.2150.0	25			
Single tag	unmarked	9705 A	04.242.0850.0	500			
	[1]marked	9705 AB	04.842.0850.0	500			
Adhesive marking strips							

[1] Labelling on request

PCB terminal, spring clamp system
pitch 5.00/5.08 mm

Rated cross section:
2.5 mm²

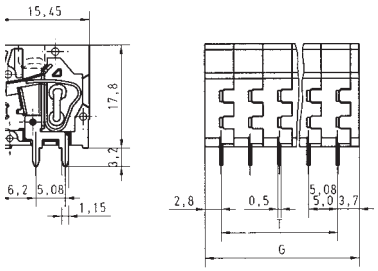
Rated current:
16 A

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

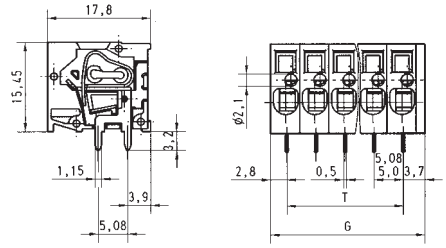
250 V/4 kV/3 – overvoltage category III
*690 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I

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

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



Solder pin 0.5 x 1.15 mm
Drill hole Ø 1.3 mm



Solder pin 0.5 x 1.15 mm
Drill hole Ø 1.3 mm

Rated voltages VDE 0110
UL Data field-/factory wiring
CSA Data
Approvals in preparation

Type 8158 TOP V **8258 TOP V**
Conductor vertical to PCB
No. 22/30 – 12 AWG
No. 22 – 12 AWG

Type 8158 TOP H **8258 TOP H**
Conductor horizontal to PCB
No. 22/30 – 12 AWG
No. 22 – 12 AWG

		Type	Part No.	Box Qty	Type	Part No.	Box Qty
pitch 5.00 mm							
	2 pole	8158 TOP V	25.780.0253.0	100	8158 TOP H	25.790.0253.0	100
	3 pole	8158 TOP V	25.780.0353.0	100	8158 TOP H	25.790.0353.0	100
	4 pole	8158 TOP V	25.780.0453.0	50	8158 TOP H	25.790.0453.0	50
	5 pole	8158 TOP V	25.780.0553.0	50	8158 TOP H	25.790.0553.0	50
	6 pole	8158 TOP V	25.780.0653.0	50	8158 TOP H	25.790.0653.0	50
	7 pole	8158 TOP V	25.780.0753.0	50	8158 TOP H	25.790.0753.0	50
	8 pole	8158 TOP V	25.780.0853.0	50	8158 TOP H	25.790.0853.0	50
	9 pole	8158 TOP V	25.780.0953.0	50	8158 TOP H	25.790.0953.0	50
	10 pole	8158 TOP V	25.780.1053.0	50	8158 TOP H	25.790.1053.0	50
	11 pole	8158 TOP V	25.780.1153.0	50	8158 TOP H	25.790.1153.0	50
	12 pole	8158 TOP V	25.780.1253.0	50	8158 TOP H	25.790.1253.0	50
	13 pole	8158 TOP V	25.780.1353.0	50	8158 TOP H	25.790.1353.0	50
	14 pole	8158 TOP V	25.780.1453.0	50	8158 TOP H	25.790.1453.0	50
	15 pole	8158 TOP V	25.780.1553.0	50	8158 TOP H	25.790.1553.0	50
Larger pole combinations on request	16 pole	8158 TOP V	25.780.1653.0	50	8158 TOP H	25.790.1653.0	50
pitch 5.08 mm							
	2 pole	8258 TOP V	25.781.0253.0	100	8258 TOP H	25.791.0253.0	100
	3 pole	8258 TOP V	25.781.0353.0	100	8258 TOP H	25.791.0353.0	100
	4 pole	8258 TOP V	25.781.0453.0	50	8258 TOP H	25.791.0453.0	50
	5 pole	8258 TOP V	25.781.0553.0	50	8258 TOP H	25.791.0553.0	50
	6 pole	8258 TOP V	25.781.0653.0	50	8258 TOP H	25.791.0653.0	50
	7 pole	8258 TOP V	25.781.0753.0	50	8258 TOP H	25.791.0753.0	50
	8 pole	8258 TOP V	25.781.0853.0	50	8258 TOP H	25.791.0853.0	50
	9 pole	8258 TOP V	25.781.0953.0	50	8258 TOP H	25.791.0953.0	50
	10 pole	8258 TOP V	25.781.1053.0	50	8258 TOP H	25.791.1053.0	50
	11 pole	8258 TOP V	25.781.1153.0	50	8258 TOP H	25.791.1153.0	50
	12 pole	8258 TOP V	25.781.1253.0	50	8258 TOP H	25.791.1253.0	50
	13 pole	8258 TOP V	25.781.1353.0	50	8258 TOP H	25.791.1353.0	50
	14 pole	8258 TOP V	25.781.1453.0	50	8258 TOP H	25.791.1453.0	50
	15 pole	8258 TOP V	25.781.1553.0	50	8258 TOP H	25.791.1553.0	50
Larger pole combinations on request	16 pole	8258 TOP V	25.781.1653.0	50	8258 TOP H	25.791.1653.0	50
Accessories							
Adhesive marking strips	1 – 12 (100 x)		04.007.4089.0	1		04.007.4089.0	1
	13 – 24 (100 x)		04.007.4189.0	1		04.007.4189.0	1
Labelling on request							
Test plug			Z5.553.2921.0	10		Z5.553.2921.0	10

PCB terminal, spring clamp system pitch 7.50/7.62 mm

wiecon PCB

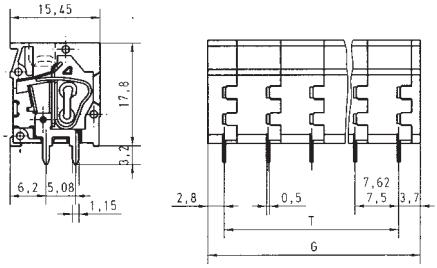
Rated cross section:
2.5 mm²

Rated current:
16 A

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

400 V/6 kV/3 – overvoltage category III
1000 V/6 kV/2 – overvoltage category II
1000 V/6 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



Solder pin 0.5 x 1.15 mm
Drill hole Ø 1.3 mm

Solder pin 0.5 x 1.15 mm
Drill hole Ø 1.3 mm

Rated voltages VDE 0110
UL Data field-/factory wiring
CSA Data
Approvals in preparation

	Type	Part No.	Box Qty	Type	Part No.	Box Qty
	Type 8358 TOP V Conductor vertical to PCB No. 22/30 – 12 AWG No. 22 – 12 AWG		**8458 TOP V**	**Type 8358 TOP H** Conductor horizontal to PCB No. 22/30 – 12 AWG No. 22 – 12 AWG		**8458 TOP H**
pitch 7.50 mm						
2 pole	8358 TOP V	25.782.0253.0	100	8358 TOP H	25.792.0253.0	100
3 pole	8358 TOP V	25.782.0353.0	100	8358 TOP H	25.792.0353.0	100
4 pole	8358 TOP V	25.782.0453.0	50	8358 TOP H	25.792.0453.0	50
5 pole	8358 TOP V	25.782.0553.0	50	8358 TOP H	25.792.0553.0	50
6 pole	8358 TOP V	25.782.0653.0	50	8358 TOP H	25.792.0653.0	50
7 pole	8358 TOP V	25.782.0753.0	50	8358 TOP H	25.792.0753.0	50
8 pole	8358 TOP V	25.782.0853.0	50	8358 TOP H	25.792.0853.0	50
9 pole	8358 TOP V	25.782.0953.0	50	8358 TOP H	25.792.0953.0	50
10 pole	8358 TOP V	25.782.1053.0	50	8358 TOP H	25.792.1053.0	50
11 pole	8358 TOP V	25.782.1153.0	50	8358 TOP H	25.792.1153.0	50
12 pole	8358 TOP V	25.782.1253.0	50	8358 TOP H	25.792.1253.0	50
13 pole	8358 TOP V	25.782.1353.0	50	8358 TOP H	25.792.1353.0	50
14 pole	8358 TOP V	25.782.1453.0	50	8358 TOP H	25.792.1453.0	50
15 pole	8358 TOP V	25.782.1553.0	50	8358 TOP H	25.792.1553.0	50
Larger pole combinations on request 16 pole	8358 TOP V	25.782.1653.0	50	8358 TOP H	25.792.1653.0	50
pitch 7.62 mm						
2 pole	8458 TOP V	25.783.0253.0	100	8458 TOP H	25.793.0253.0	100
3 pole	8458 TOP V	25.783.0353.0	100	8458 TOP H	25.793.0353.0	100
4 pole	8458 TOP V	25.783.0453.0	50	8458 TOP H	25.793.0453.0	50
5 pole	8458 TOP V	25.783.0553.0	50	8458 TOP H	25.793.0553.0	50
6 pole	8458 TOP V	25.783.0653.0	50	8458 TOP H	25.793.0653.0	50
7 pole	8458 TOP V	25.783.0753.0	50	8458 TOP H	25.793.0753.0	50
8 pole	8458 TOP V	25.783.0853.0	50	8458 TOP H	25.793.0853.0	50
9 pole	8458 TOP V	25.783.0953.0	50	8458 TOP H	25.793.0953.0	50
10 pole	8458 TOP V	25.783.1053.0	50	8458 TOP H	25.793.1053.0	50
11 pole	8458 TOP V	25.783.1153.0	50	8458 TOP H	25.793.1153.0	50
12 pole	8458 TOP V	25.783.1253.0	50	8458 TOP H	25.793.1253.0	50
13 pole	8458 TOP V	25.783.1353.0	50	8458 TOP H	25.793.1353.0	50
14 pole	8458 TOP V	25.783.1453.0	50	8458 TOP H	25.793.1453.0	50
15 pole	8458 TOP V	25.783.1553.0	50	8458 TOP H	25.793.1553.0	50
Larger pole combinations on request 16 pole	8458 TOP V	25.783.1653.0	50	8458 TOP H	25.793.1653.0	50
Accessories						
Labelling on request						
Test plug		Z5.553.2921.0	10		Z5.553.2921.0	10

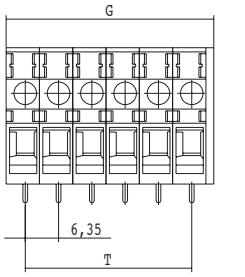
PCB terminal, TOP connection system
pitch 6.35 mm

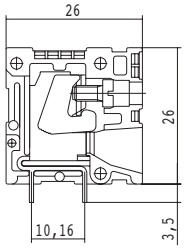
Rated cross section:
4.0 mm²

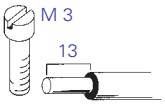
Rated current:
36 A
(based on ambient temperature 20 °C rated cross section and max. number of poles)

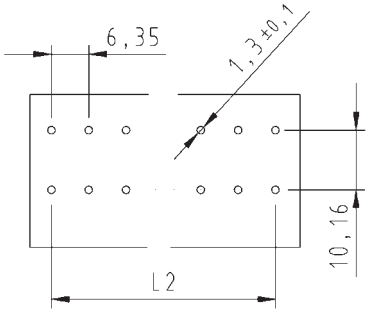
Wire range:
0.5 – 6.0 mm² single core/
0.5 – 4.0 mm² finely stranded

320 V/4 kV/3 – overvoltage category III
320 V/4 kV/2 – overvoltage category II
320 V/4 kV/1 – overvoltage category I









Solder pin Ø 0.8 x 0.9 mm
Drill hole Ø 1.3 mm

Type 7386 TOP H

Rated voltages VDE 0110			
UL Data	field wiring	No. 22 – 10 AWG	300 V 30 A
CSA Data		No. 22 – 10 AWG	300 V 30 A
Approvals			

Box Qty	G	T	Pole	Part No.
pitch 6.35 mm				unmarked
50	14.20	6.35	2	27.714.0253.0
50	20.55	12.70	3	27.714.0353.0
50	26.90	19.05	4	27.714.0453.0
50	33.25	25.40	5	27.714.0553.0
50	39.60	31.75	6	27.714.0653.0
50	45.95	38.10	7	27.714.0753.0
50	52.30	44.45	8	27.714.0853.0

PCB terminal, TOP connection system pitch 7.62 mm

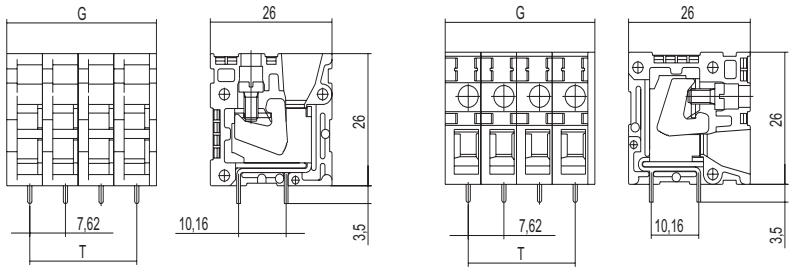
wiecon PCB

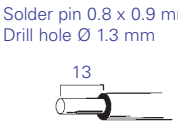
Rated cross section:
4.0 mm²

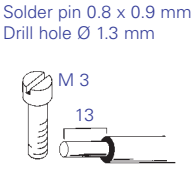
Rated current:
36 A
(based on ambient 20°C, rated cross section and max. number of poles)

Wire range:
0.5 – 6.0 mm² single core/
0.5 – 4.0 mm² finely stranded

500 V/4 kV/3 – Overvoltage category III
630 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I







			8486 TOP V			**8486 TOP H**		
Rated voltages VDE 0110								
UL Data	field wiring		No. 22 – 10 AWG	300 V	30 A	No. 22 – 10 AWG	300 V	30 A
CSA Data			No. 22 – 10 AWG	300 V	30 A	No. 22 – 10 AWG	300 V	30 A
Approvals								

Box Qty	G	T	Pole	Part No. unmarked	Part No. unmarked
pitch 7.62 mm					
50	16.74	7.62	2	27.703.0253.0	27.713.0253.0
50	24.36	15.24	3	27.703.0353.0	27.713.0353.0
50	31.98	22.86	4	27.703.0453.0	27.713.0453.0

Accessories

wiecon

Test plugs and marker holder 8191 E / 8191 D / 8291 E / 8291 can only be used in the upper tier

- 2 to 24 pole connecting comb for pitch 5.00 and 5.08 mm available on request
- PCB terminals with assembled connecting comb available on request

Type 8191 / 8191 E / 8191 D / 8192 Type 8291 / 8291 E / 8291 D

Pole	Part No.	Box Qty
	Test plug	
1	Z5.533.7121.0	100
2	Z5.533.7221.0	100
	Test plug 1pole pitch 10 mm	
1	Z5.533.7121.0	100
	Marker tag carrier for 12 pole, can be divided for smaller pole numbers	
	04.242.4653.0	50
	Marker strips unmarked	
	04.242.5053.0	25
	Marked 1 – 10, 11 – 20 etc. 991 – 999	
	04.842.5053.0	25
	Marking branch, labelled 1, 2, 3 ... 0	
	04.841.2150.0	25
	Single tag, unmarked	
	04.242.0850.0	500
	Marked	
	04.842.0850.0	500

	Adhesive marking strips (1 sheet = 100 strips)	
1 – 12	04.007.4089.0	1
13 – 24	04.007.4189.0	1
25 – 36	04.007.4289.0	1
37 – 48	04.007.4389.0	1
49 – 60	04.007.4489.0	1
61 – 72	04.007.4589.0	1
73 – 84	04.007.4689.0	1
85 – 96	04.007.4789.0	1
97 – 108	04.007.4889.0	1

Type 8391/8491

Pole	Part No.	Box Qty
	Test plug	
1	Z5.533.7121.0	100
2	Z5.533.8221.0	50

Type 8135 / 8235 Type 8191 ZW / 8291 ZW / 8192

Pole	Part No.	Box Qty
	Test plug	
1	Z5.533.7121.0	100
2	Z5.533.7221.0	100
	Test plug 1 pole pitch 10 mm	
1	Z5.533.7121.0	100
	Marker tag carrier for 12 pole, can be divided for smaller pole numbers	
	04.242.4653.0	50
	Marker strips unmarked	
	04.242.5053.0	25
	Marked 1 – 10, 11 – 20 etc. 991 – 999	
	04.842.5053.0	25
	Marking branch labelled 1, 2, 3 ... 0	
	04.841.2150.0	25
	Single tag, unmarked	
	04.242.0850.0	500
	Marked	
	04.842.0850.0	500

	Adhesive marking strips (1 sheet = 100 strips)	
1 – 12	04.007.4089.0	1
13 – 24	04.007.4189.0	1
25 – 36	04.007.4289.0	1
37 – 48	04.007.4389.0	1
49 – 60	04.007.4489.0	1
61 – 72	04.007.4589.0	1
73 – 84	04.007.4689.0	1
85 – 96	04.007.4789.0	1
97 – 108	04.007.4889.0	1

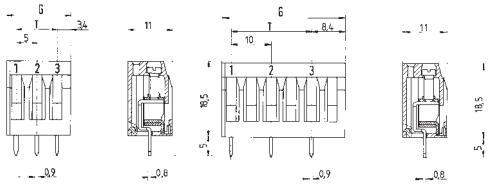
PCB terminal, rising cage clamp system pitch 5.00/10.00 mm

wiecon PCB

Rated cross section:
2.5 mm²

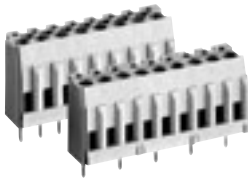
Rated current:
16 A

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

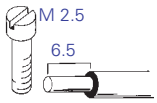


250 V/4 kV/3 – Overvoltage category III
*690 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

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



Solder pin 0.8 x 0.9 mm
Drill hole Ø 1.2 mm



Type 8190

conductor horizontal to PCB

Rated voltages VDE 0110 (pitch 5 mm)			
UL Data	No. 22 – 12 AWG	300 V	15 A
CSA Data	No. 22 – 14 AWG	300 V	10 A
Approvals			

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked
pitch 5.00 mm					
100	10.86	5	2	25.131.0253.0	25.130.0253.0
100	15.86	10	3	25.131.0353.0	25.130.0353.0
50	20.86	15	4	25.131.0453.0	25.130.0453.0
50	25.86	20	5	25.131.0553.0	25.130.0553.0
50	30.86	25	6	25.131.0653.0	25.130.0653.0
50	35.86	30	7	25.131.0753.0	25.130.0753.0
50	40.86	35	8	25.131.0853.0	25.130.0853.0
50	45.86	40	9	25.131.0953.0	25.130.0953.0
50	50.86	45	10	25.131.1053.0	25.130.1053.0
50	55.86	50	11	25.131.1153.0	25.130.1153.0
50	60.86	55	12	25.131.1253.0	25.130.1253.0
50	65.86	60	13	25.131.1353.0	25.130.1353.0
50	70.86	65	14	25.131.1453.0	25.130.1453.0
50	75.86	70	15	25.131.1553.0	25.130.1553.0
50	80.86	75	16	25.131.1653.0	25.130.1653.0
	17 to 24 pole on request				
pitch 10.00 mm				unmarked	marked
50	20.86	10	2	25.133.0253.0	25.132.0253.0
50	30.86	20	3	25.133.0353.0	25.132.0353.0
50	40.86	30	4	25.133.0453.0	25.132.0453.0
50	50.86	40	5	25.133.0553.0	25.132.0553.0
50	60.86	50	6	25.133.0653.0	25.132.0653.0
50	70.86	60	7	25.133.0753.0	25.132.0753.0
50	80.86	70	8	25.133.0853.0	25.132.0853.0
50	90.86	80	9	25.133.0953.0	25.132.0953.0
50	100.86	90	10	25.133.1053.0	25.132.1053.0
50	110.86	100	11	25.133.1153.0	25.132.1153.0
50	120.86	110	12	25.133.1253.0	25.132.1253.0

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

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

Accessories

Type 8190

Pole	Part No.	Box Qty
	Test plug nominal current = 2 A	
1	Z5.543.0153.0	100
2	Z5.543.0253.0	100
	Marker tag carrier for 12 pole, can be divided for smaller pole numbers	
	04.242.4653.0	50
	Marker strips unmarked	
	04.242.5053.0	25
	Marked 1 – 10, 11 – 20 etc. 991 – 999	
	04.842.5053.0	25
	Marking branch labelled 1, 2, 3 ... 0	
	04.841.2150.0	25
	Single tag, unmarked	
	04.242.0850.0	500
	Marked	
	04.842.0850.0	500

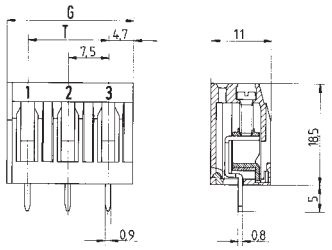
	Adhesive marking strips (1 sheet = 100 strips)	
1 – 12	04.007.4089.0	1
13 – 24	04.007.4189.0	1
25 – 36	04.007.4289.0	1
37 – 48	04.007.4389.0	1
49 – 60	04.007.4489.0	1
61 – 72	04.007.4589.0	1
73 – 84	04.007.4689.0	1
85 – 96	04.007.4789.0	1
97 – 108	04.007.4889.0	1

PCB terminal, rising cage clamp system
pitch 7.50 mm

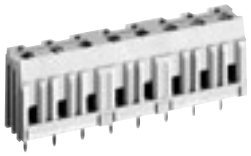
Rated cross section:
2.5 mm²

Rated current:
16 A

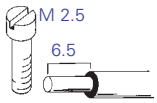
Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded



500 V/6 kV/3 – Overvoltage category III
1000 V/6 kV/2 – Overvoltage category II
1000 V/6 kV/1 – Overvoltage category I



Solder pin 0.8 x 0.9 mm
Drill hole Ø 1.2 mm



Type 8390
conductor horizontal to PCB

Rated voltages VDE 0110
UL Data — No. 22 – 12 AWG — 300 V — 15 A
CSA Data — No. 22 – 14 AWG — 300 V — 10 A
Approvals

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked
pitch 7.50 mm					
100	15.86	7.5	2	25.151.0253.0	25.150.0253.0
100	23.36	15.0	3	25.151.0353.0	25.150.0353.0
50	30.86	22.5	4	25.151.0453.0	25.150.0453.0
50	38.36	30.0	5	25.151.0553.0	25.150.0553.0
50	45.86	37.5	6	25.151.0653.0	25.150.0653.0
50	53.36	45.0	7	25.151.0753.0	25.150.0753.0
50	60.86	52.5	8	25.151.0853.0	25.150.0853.0
50	68.36	60.0	9	25.151.0953.0	25.150.0953.0
50	75.86	67.5	10	25.151.1053.0	25.150.1053.0
50	83.36	75.0	11	25.151.1153.0	25.150.1153.0
50	90.86	82.5	12	25.151.1253.0	25.150.1253.0

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

Accessories
Type 8390

Pole	Part No.	Box Qty
	Test plug nominal current = 2 A	
1	Z5.543.0153.0	100
2	Z5.543.0253.0	100

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

wiecon PCB

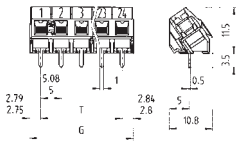
Rated cross section:
1.5 mm²

Rated current:
10 A

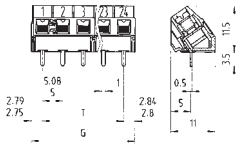
Wire range:
0.14 – 2.5 mm² single core/
0.14 – 1.5 mm² finely stranded

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

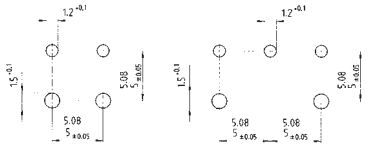
without insulating plate

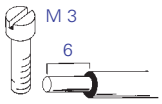


with insulating plate, **without** locating cams



Drilling plan for version **with** locating cams





Solder pin 0.5 x 1.0 mm
Drill hole Ø 1.2 mm

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

Type 8134/8234
Conductor at 35° to PCB

Rated voltages VDE 0110				
UL Data	field-/factory wiring	No. 30 – 14 AWG	300 V	15/16 A
CSA Data		No. 30 – 14 AWG	300 V	15 A
Approvals				

Box Qty	G	T	Pole	Part No. unmarked without insulating plate	Part No. marked without insulating plate	Part No. unmarked with insulating plate with locating cams	Part No. marked with locating cams
pitch 5.00 mm							
100	10.55	5	2	25.501.0253.0	25.500.0253.0	25.501.6253.0	25.500.6253.0
100	15.55	10	3	25.501.0353.0	25.500.0353.0	25.501.6353.0	25.500.6353.0
50	20.55	15	4	25.501.0453.0	25.500.0453.0		
50	25.55	20	5	25.501.0553.0	25.500.0553.0		
50	30.55	25	6	25.501.0653.0	25.500.0653.0		
50	35.55	30	7	25.501.0753.0	25.500.0753.0		
50	40.55	35	8	25.501.0853.0	25.500.0853.0		
50	45.55	40	9	25.501.0953.0	25.500.0953.0		
50	50.55	45	10	25.501.1053.0	25.500.1053.0		
50	55.55	50	11	25.501.1153.0	25.500.1153.0		
50	60.55	55	12	25.501.1253.0	25.500.1253.0		
50	65.55	60	13	25.501.1353.0	25.500.1353.0		
50	70.55	65	14	25.501.1453.0	25.500.1453.0		
50	75.55	70	15	25.501.1553.0	25.500.1553.0		
50	80.55	75	16	25.501.1653.0	25.500.1653.0		
	17 to 24 pole on request						
pitch 5.08 mm							
100	10.71	5.08	2	25.503.0253.0	25.502.0253.0	25.503.6253.0	25.502.6253.0
100	15.79	10.16	3	25.503.0353.0	25.502.0353.0	25.503.6353.0	25.502.6353.0
50	20.87	15.24	4	25.503.0453.0	25.502.0453.0		
50	25.95	20.32	5	25.503.0553.0	25.502.0553.0		
50	31.03	25.40	6	25.503.0653.0	25.502.0653.0		
50	36.11	30.48	7	25.503.0753.0	25.502.0753.0		
50	41.19	35.56	8	25.503.0853.0	25.502.0853.0		
50	46.27	40.64	9	25.503.0953.0	25.502.0953.0		
50	51.35	45.72	10	25.503.1053.0	25.502.1053.0		
50	56.42	50.80	11	25.503.1153.0	25.502.1153.0		
50	61.51	55.88	12	25.503.1253.0	25.502.1253.0		
50	66.59	60.96	13	25.503.1353.0	25.502.1353.0		
50	71.67	66.04	14	25.503.1453.0	25.502.1453.0		
50	76.75	71.12	15	25.503.1553.0	25.502.1553.0		
50	81.83	76.20	16	25.503.1653.0	25.502.1653.0		
	17 to 24 pole on request						

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

Part No.	Part No.
unmarked with insulating plate without locating cams	marked with insulating plate with locating cams
on request	on request
on request	on request

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

wiecon PCB

Rated cross section:
2.5 mm²

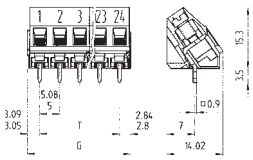
Rated current:
16 A

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

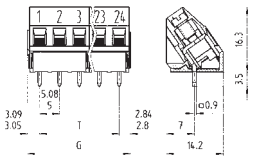
250 V/4 kV/3 – Overvoltage category III
*690 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

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

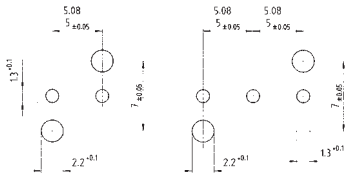
without insulating plate

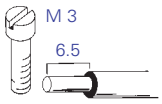


with insulating plate, **without** locating cams



Drilling plan for version **with** locating cams





Solder pin 0.9 x 0.9 mm
Drill hole Ø 1.3 mm

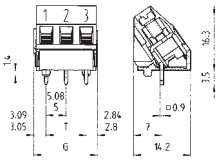
Type 8135/8235
Conductor at 35° to PCB

Rated voltages VDE 0110

UL Data	field-/factory wiring	No. 22 – 12 AWG	300 V	20/30 A
CSA Data		No. 22 – 12 AWG	300 V	25 A
Approvals				

Box Qty	G	T	Pole	Part No. unmarked without insulating plate	Part No. marked without insulating plate	Part No. unmarked with insulating plate with locating cams	Part No. marked with insulating plate with locating cams
pitch 5.00 mm							
100	10.85	5	2	25.521.0253.0	25.520.0253.0	25.521.6253.0	25.520.6253.0
100	15.85	10	3	25.521.0353.0	25.520.0353.0	25.521.6353.0	25.520.6353.0
50	20.85	15	4	25.521.0453.0	25.520.0453.0		
50	25.85	20	5	25.521.0553.0	25.520.0553.0		
50	30.85	25	6	25.521.0653.0	25.520.0653.0		
50	35.85	30	7	25.521.0753.0	25.520.0753.0		
50	40.85	35	8	25.521.0853.0	25.520.0853.0		
50	45.85	40	9	25.521.0953.0	25.520.0953.0		
50	50.85	45	10	25.521.1053.0	25.520.1053.0		
50	55.85	50	11	25.521.1153.0	25.520.1153.0		
50	60.85	55	12	25.521.1253.0	25.520.1253.0		
50	65.85	60	13	25.521.1353.0	25.520.1353.0		
50	70.85	65	14	25.521.1453.0	25.520.1453.0		
50	75.85	70	15	25.521.1553.0	25.520.1553.0		
50	80.85	75	16	25.521.1653.0	25.520.1653.0		
	17 to 24 pole on request						
pitch 5.08 mm							
100	11.01	5.08	2	25.523.0253.0	25.522.0253.0	25.523.6253.0	25.522.6253.0
100	16.09	10.16	3	25.523.0353.0	25.522.0353.0	25.523.6353.0	25.522.6353.0
50	21.17	15.24	4	25.523.0453.0	25.522.0453.0		
50	26.25	20.32	5	25.523.0553.0	25.522.0553.0		
50	31.33	25.40	6	25.523.0653.0	25.522.0653.0		
50	36.41	30.48	7	25.523.0753.0	25.522.0753.0		
50	41.49	35.56	8	25.523.0853.0	25.522.0853.0		
50	46.57	40.64	9	25.523.0953.0	25.522.0953.0		
50	51.65	45.72	10	25.523.1053.0	25.522.1053.0		
50	56.73	50.80	11	25.523.1153.0	25.522.1153.0		
50	61.81	55.88	12	25.523.1253.0	25.522.1253.0		
50	66.89	60.96	13	25.523.1353.0	25.522.1353.0		
50	71.97	66.04	14	25.523.1453.0	25.522.1453.0		
50	77.05	71.12	15	25.523.1553.0	25.522.1553.0		
50	82.13	76.20	16	25.523.1653.0	25.522.1653.0		
	17 to 24 pole on request						

with insulating plate, **with** locating cams



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.
unmarked with insulating plate without locating cams	marked with insulating plate without locating cams
on request	on request
on request	on request

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

wiecon PCB

Rated cross section:
1.5 mm²

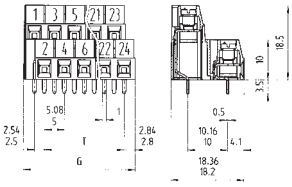
Rated current:
10 A

Wire range:
0.14 – 2.5 mm² single core/
0.14 – 1.5 mm² finely stranded

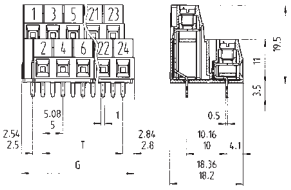
250 V/4 kV/3 – Overvoltage category III
*690 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

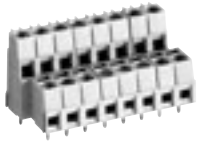
* max. 600 V for non-earthed systems or expected overvoltage ≤ 4 kV

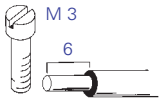
without insulating plate



with insulating plate, **without** locating cams







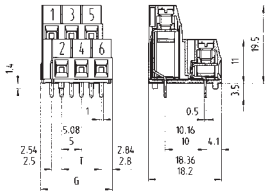
Solder pin 0.5 x 1.0 mm
Drill hole Ø 1.2 mm

Type 8192 E/8292 E
conductor horizontal to PCB

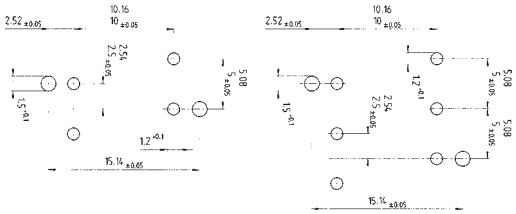
Rated voltages VDE 0110			
UL Data	field-/factory wiring	No. 30 – 14 AWG	300 V 15/16 A
CSA Data		No. 30 – 14 AWG	300 V 15 A
Approvals			

Box Qty	G	T	Pole	Part No. unmarked without insulating plate	Part No. marked without insulating plate	Part No. unmarked with insulating plate with locating cams	Part No. marked with insulating plate with locating cams
pitch 5.00 mm							
50	13.05	5	4	25.198.5253.0	25.198.0253.0	25.198.9253.0	25.198.4253.0
50	18.05	10	6	25.198.5353.0	25.198.0353.0	25.198.9353.0	25.198.4353.0
50	23.05	15	8	25.198.5453.0	25.198.0453.0		
50	28.05	20	10	25.198.5553.0	25.198.0553.0		
50	33.05	25	12	25.198.5653.0	25.198.0653.0		
50	38.05	30	14	25.198.5753.0	25.198.0753.0		
50	43.05	35	16	25.198.5853.0	25.198.0853.0		
50	48.05	40	18	25.198.5953.0	25.198.0953.0		
50	53.05	45	20	25.198.6053.0	25.198.1053.0		
50	58.05	50	22	25.198.6153.0	25.198.1153.0		
50	63.05	55	24	25.198.6253.0	25.198.1253.0		
pitch 5.08 mm							
50	13.25	5.08	4	25.199.5253.0	25.199.0253.0	25.199.9253.0	25.199.4253.0
50	18.33	10.16	6	25.199.5353.0	25.199.0353.0	25.199.9353.0	25.199.4353.0
50	23.41	15.24	8	25.199.5453.0	25.199.0453.0		
50	28.49	20.32	10	25.199.5553.0	25.199.0553.0		
50	33.57	25.40	12	25.199.5653.0	25.199.0653.0		
50	38.65	30.48	14	25.199.5753.0	25.199.0753.0		
50	43.73	35.56	16	25.199.5853.0	25.199.0853.0		
50	48.81	40.64	18	25.199.5953.0	25.199.0953.0		
50	53.89	45.72	20	25.199.6053.0	25.199.1053.0		
50	58.97	50.80	22	25.199.6153.0	25.199.1153.0		
50	64.05	55.88	24	25.199.6253.0	25.199.1253.0		

with insulating plate, **with** locating cams



Drilling plan for version **with** locating cams



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

Part No.	Part No.
unmarked with insulating plate without locating cams	marked with insulating plate without locating cams
on request	on request
on request	on request

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

wiecon PCB

Rated cross section:
2.5 mm²

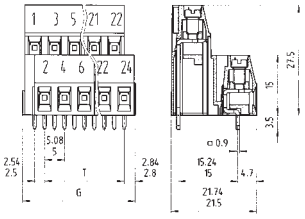
Rated current:
16 A

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

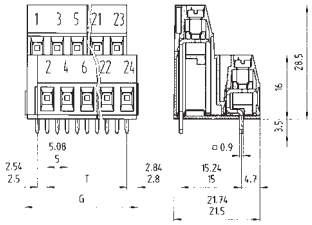
250 V/4 kV/3 – Overvoltage category III
*690 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

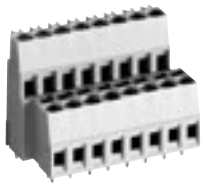
* max. 600 V for non-earthed systems or expected overvoltage ≤ 4 kV

without insulating plate

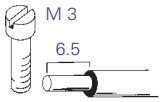


with insulating plate, **without** locating cams





Solder pin 0.9 x 0.9 mm
Drill hole Ø 1.3 mm

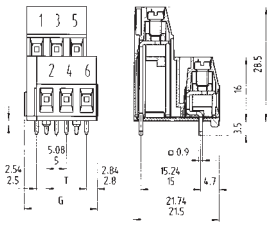


Type 8191 E/8291 E
conductor horizontal to PCB

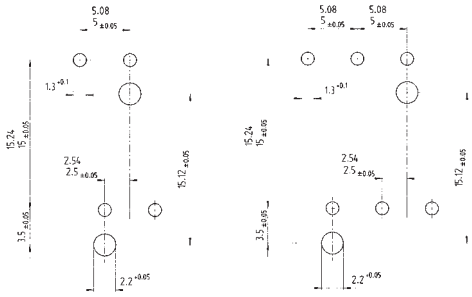
Rated voltages VDE 0110				
UL Data	field-/factory wiring	No. 22 – 12 AWG	300 V	20/30 A
CSA Data		No. 22 – 12 AWG	300 V	25 A
Approvals				

Box Qty	G	T	Pole	Part No. unmarked without insulating plate	Part No. marked without insulating plate	Part No. unmarked with insulating plate with locating cams	Part No. marked with insulating plate with locating cams
pitch 5.00 mm							
50	13.05	5	4	25.178.5253.0	25.178.0253.0	25.178.9253.0	25.178.4253.0
50	18.05	10	6	25.178.5353.0	25.178.0353.0	25.178.9353.0	25.178.4353.0
50	23.05	15	8	25.178.5453.0	25.178.0453.0		
50	28.05	20	10	25.178.5553.0	25.178.0553.0		
50	33.05	25	12	25.178.5653.0	25.178.0653.0		
50	38.05	30	14	25.178.5753.0	25.178.0753.0		
50	43.05	35	16	25.178.5853.0	25.178.0853.0		
50	48.05	40	18	25.178.5953.0	25.178.0953.0		
50	53.05	45	20	25.178.6053.0	25.178.1053.0		
50	58.05	50	22	25.178.6153.0	25.178.1153.0		
50	63.05	55	24	25.178.6253.0	25.178.1253.0		
pitch 5.08 mm							
50	13.25	5.08	4	25.179.5253.0	25.179.0253.0	25.179.9253.0	25.179.4253.0
50	18.33	10.16	6	25.179.5353.0	25.179.0353.0	25.179.9353.0	25.179.4353.0
50	23.41	15.24	8	25.179.5453.0	25.179.0453.0		
50	28.49	20.32	10	25.179.5553.0	25.179.0553.0		
50	33.57	25.40	12	25.179.5653.0	25.179.0653.0		
50	38.65	30.48	14	25.179.5753.0	25.179.0753.0		
50	43.73	35.56	16	25.179.5853.0	25.179.0853.0		
50	48.81	40.64	18	25.179.5953.0	25.179.0953.0		
50	53.89	45.72	20	25.179.6053.0	25.179.1053.0		
50	58.97	50.80	22	25.179.6153.0	25.179.1153.0		
50	64.05	55.88	24	25.179.6253.0	25.179.1253.0		

with insulating plate, **with** locating cams



Drilling plan for version **with** locating cams



Materials
Insulating housing: PA 66/6 grey, UL 94-V2
Clamping part: nickel plated brass
Contact and solder pin: tin plated E-Cu
Clamping screw: galvanised steel

Part No.	Part No.
unmarked with insulating plate without locating cams	marked with insulating plate without locating cams
	on request
on request	on request

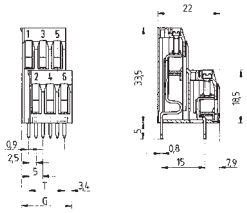
PCB terminal, rising cage clamp system pitch 5.00 mm

wiecon PCB

Rated cross section:
2.5 mm²

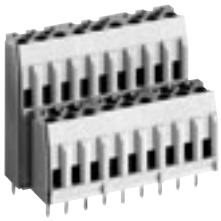
Rated current:
16 A

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

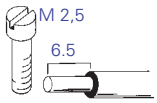


250 V/4 kV/3 – Overvoltage category III
*690 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

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



Solder pin 0.8 x 0.9 mm
Drill hole Ø 1.2 mm



Type 8190 E

conductor horizontal to PCB

Rated voltages VDE 0110			
UL Data	No. 22 – 12 AWG	300 V	15 A
CSA Data	No. 22 – 14 AWG	300 V	10 A
Approvals			

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked
pitch 5.00 mm					
50	13.36	5	4	25.131.3253.0	25.130.3253.0
50	18.36	10	6	25.131.3353.0	25.130.3353.0
50	23.36	15	8	25.131.3453.0	25.130.3453.0
50	28.36	20	10	25.131.3553.0	25.130.3553.0
50	33.36	25	12	25.131.3653.0	25.130.3653.0
50	38.36	30	14	25.131.3753.0	25.130.3753.0
50	43.36	35	16	25.131.3853.0	25.130.3853.0
50	48.36	40	18	25.131.3953.0	25.130.3953.0
50	53.36	45	20	25.131.4053.0	25.130.4053.0
50	58.36	50	22	25.131.4153.0	25.130.4153.0
50	63.36	55	24	25.131.4253.0	25.130.4253.0

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

Accessories

Type 8190 E

Pole	Part No.	Box Qty
	Test plug nominal current = 2 A	
1	Z5.543.0153.0	100
2	Z5.543.0253.0	100
	Marker tag carrier for 12 pole, can be divided for smaller pole numbers	
	04.242.4653.0	50
	Marker strips unmarked	
	04.242.5053.0	25
	Marked 1 – 10, 11 – 20 etc. 991 – 999	
	04.842.5053.0	25
	Marking branch labelled 1, 2, 3 ... 0	
	04.841.2150.0	25
	Single tag, unmarked	
	04.242.0850.0	500
	Marked	
	04.842.0850.0	500

	Adhesive marking strips (1 sheet = 100 strips)	
1 – 12	04.007.4089.0	1
13 – 24	04.007.4189.0	1
25 – 36	04.007.4289.0	1
37 – 48	04.007.4389.0	1
49 – 60	04.007.4489.0	1
61 – 72	04.007.4589.0	1
73 – 84	04.007.4689.0	1
85 – 96	04.007.4789.0	1
97 – 108	04.007.4889.0	1

wiecon

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

wiecon PCB

Rated cross section:
2.5 mm²

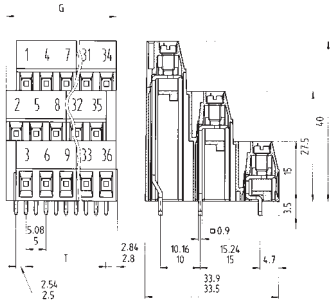
Rated current:
16 A

Wire range:
0,14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

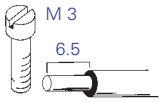
250 V/4 kV/3 – Overvoltage category III
*690 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

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

without insulating plate



Solder pin 0.9 x 0.9 mm
Drill hole Ø 1.3 mm



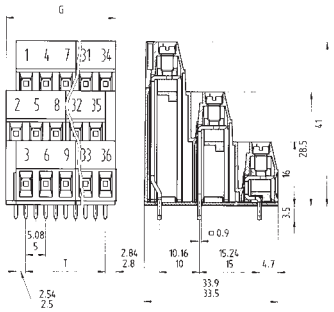
Type 8191 D/8291 D

conductor horizontal to PCB

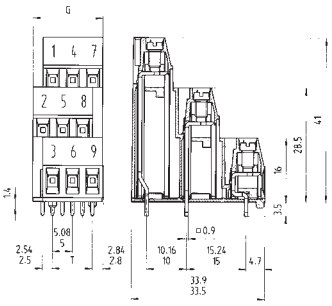
Rated voltages VDE 0110				
UL Data	field-/factory wiring	No. 22 – 12 AWG	300 V	20/30 A
CSA Data		No. 22 – 12 AWG	300 V	25 A
Approvals				

Box Qty	G	T	Pole	Part No. unmarked without insulating plate	Part No. marked without insulating plate	Part No. unmarked with insulating plate with locating cams	Part No. Marked with insulating plate with locating cams
pitch 5.00 mm							
50	12.8	5	6	25.180.5253.0	25.180.0253.0	25.180.9253.0	25.180.4253.0
50	17.8	10	9	25.180.5353.0	25.180.0353.0	25.180.9353.0	25.180.4353.0
50	22.8	15	12	25.180.5453.0	25.180.0453.0		
50	27.8	20	15	25.180.5553.0	25.180.0553.0		
50	32.8	25	18	25.180.5653.0	25.180.0653.0		
50	37.8	30	21	25.180.5753.0	25.180.0753.0		
50	42.8	35	24	25.180.5853.0	25.180.0853.0		
50	47.8	40	27	25.180.5953.0	25.180.0953.0		
20	52.8	45	30	25.180.6053.0	25.180.1053.0		
20	57.8	50	33	25.180.6153.0	25.180.1153.0		
20	62.8	55	36	25.180.6253.0	25.180.1253.0		
pitch 5.08 mm							
50	12.70	5.08	6	25.181.5253.0	25.181.0253.0	25.181.9253.0	25.181.4253.0
50	17.78	10.16	9	25.181.5353.0	25.181.0353.0	25.181.9353.0	25.181.4353.0
50	22.86	15.24	12	25.181.5453.0	25.181.0453.0		
50	27.94	20.32	15	25.181.5553.0	25.181.0553.0		
50	33.02	25.40	18	25.181.5653.0	25.181.0653.0		
50	38.10	30.48	21	25.181.5753.0	25.181.0753.0		
50	43.18	35.56	24	25.181.5853.0	25.181.0853.0		
50	48.26	40.64	27	25.181.5953.0	25.181.0953.0		
20	53.34	45.72	30	25.181.6053.0	25.181.1053.0		
20	58.42	50.80	33	25.181.6153.0	25.181.1153.0		
20	63.50	55.88	36	25.181.6253.0	25.181.1253.0		

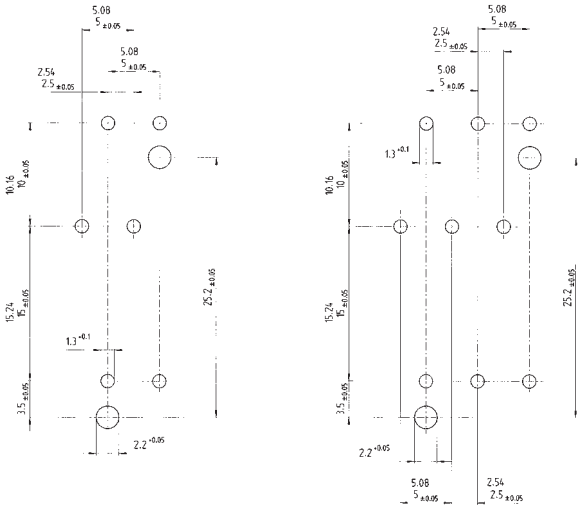
with insulating plate, **without** locating cams



with insulating plate, **with** locating cams



Drilling plan for version **with** locating cams



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.
unmarked with insulating plate without locating cams	marked with insulating plate without locating cams
on request	on request
on request	on request

PCB terminal, rising cage clamp system pitch 5.00 mm

wiecon PCB

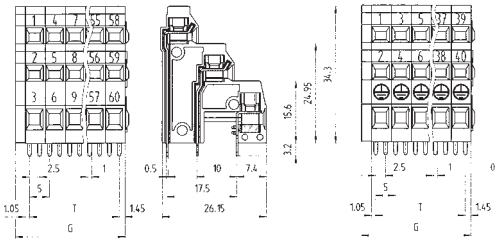
Rated cross section:
1.5 mm², earth 2.5 mm²

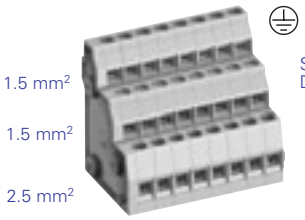
Rated current:
10 A

Wire range:
0.5 – 2.5 mm² single core 0.5 – 4.0 mm² (earth)
0.5 – 1.5 mm² finely stranded 0.5 – 2.5 mm² (earth)

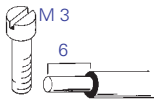
250 V/4 kV/3 – Overvoltage category III
*690 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

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





Solder pin 0.5 x 1.0 mm
Drill hole Ø 1.2 mm



Materials **Type 8195 D/...** and **Type 8195 V/...**
Insulating housing: PA 6/66, UL 94-V0
Clamping part: nickel plated brass
Contact and solder pin: tinned
Clamping screw: galvanised steel

Type 8195 D/...
conductor horizontal to PCB

Rated voltages VDE 0110					
UL Data	field-/factory wiring	No. 30 – 14 AWG	300 V	10 A	No. 20 – 12 AWG for PE
CSA Data		No. 30 – 14 AWG	300 V	10 A	No. 20 – 12 AWG for PE
Approvals					

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked
pitch 5.00 mm					
50	12.50	7.50	6	25.153.2253.0	25.153.0253.0
50	17.50	12.50	9	25.153.2353.0	25.153.0353.0
50	22.50	17.50	12	25.153.2453.0	25.153.0453.0
50	27.50	22.50	15	25.153.2553.0	25.153.0553.0
50	32.50	27.50	18	25.153.2653.0	25.153.0653.0
50	37.50	32.50	21	25.153.2753.0	25.153.0753.0
50	42.50	37.50	24	25.153.2853.0	25.153.0853.0
20	47.50	42.50	27	25.153.2953.0	25.153.0953.0
20	52.50	47.50	30	25.153.3053.0	25.153.1053.0
	33 to 60 pole on request				
Sensor terminals pitch 5.00 mm	⏚ jumpered			**Type 8195 D/... VB1** unmarked	marked
50			2 PE + 4	25.153.6253.0	25.153.4253.0
50			3 PE + 6	25.153.6353.0	25.153.4353.0
50			4 PE + 8	25.153.6453.0	25.153.4453.0
50			5 PE + 10	25.153.6553.0	25.153.4553.0
50			6 PE + 12	25.153.6653.0	25.153.4653.0
50			7 PE + 14	25.153.6753.0	25.153.4753.0
50			8 PE + 16	25.153.6853.0	25.153.4853.0
50			9 PE + 18	25.153.6953.0	25.153.4953.0
20			10 PE + 20	25.153.7053.0	25.153.5053.0
	11 earth + 33 up to 20 earth + 60 on request				

wiecon

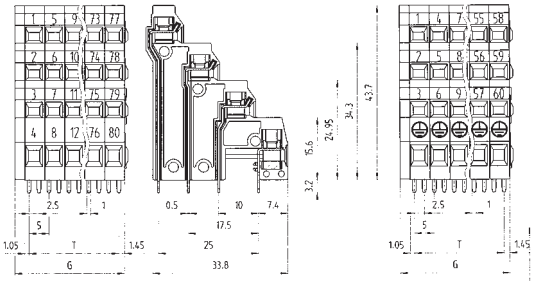
Rated cross section:
1.5 mm², earth 2.5 mm²

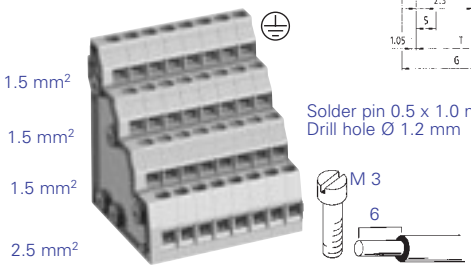
Rated current:
10 A

Wire range:
0.5 – 2.5 mm² single core 0.5 – 4.0 mm² (earth)
0.5 – 1.5 mm² finely stranded 0.5 – 2.5 mm² (earth)

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

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





Type 8195 V/...

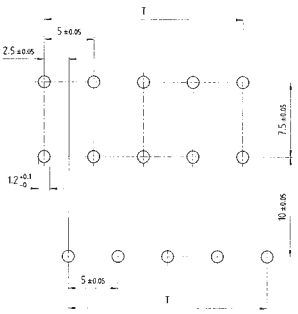
conductor horizontal to PCB

Rated voltages VDE 0110					
UL Data	field-/factory wiring	No. 30 – 14 AWG	300 V	10 A	No. 20 – 12 AWG for PE
CSA Data		No. 30 – 14 AWG	300 V	10 A	No. 20 – 12 AWG for PE
Approvals					

Box Qty	G	T	Pole	Part No. unmarked	Part No. marked
pitch 5.00 mm					
50	12.50	7.50	8	25.154.2253.0	25.154.0253.0
50	17.50	12.50	12	25.154.2353.0	25.154.0353.0
50	22.50	17.50	16	25.154.2453.0	25.154.0453.0
50	27.50	22.50	20	25.154.2553.0	25.154.0553.0
50	32.50	27.50	24	25.154.2653.0	25.154.0653.0
50	37.50	32.50	28	25.154.2753.0	25.154.0753.0
50	42.50	37.50	32	25.154.2853.0	25.154.0853.0
20	47.50	42.50	36	25.154.2953.0	25.154.0953.0
20	52.50	47.50	40	25.154.3053.0	25.154.1053.0
	44 to 80 pole on request				

Sensor terminals pitch 5.00 mm ⏚ jumpered	**Type 8195 V/... VB1** unmarked	marked
50	2 PE + 6	25.154.6253.0	25.154.4253.0
50	3 PE + 9	25.154.6353.0	25.154.4353.0
50	4 PE + 12	25.154.6453.0	25.154.4453.0
50	5 PE + 15	25.154.6553.0	25.154.4553.0
50	6 PE + 18	25.154.6653.0	25.154.4653.0
50	7 PE + 21	25.154.6753.0	25.154.4753.0
50	8 PE + 24	25.154.6853.0	25.154.4853.0
50	9 PE + 27	25.154.6953.0	25.154.4953.0
20	10 PE + 30	25.154.7053.0	25.154.5053.0
	11 earth + 33 to 20 earth + 60 on request		

Drilling plan **Type 8195 D/...** and **Type 8195 V/...**



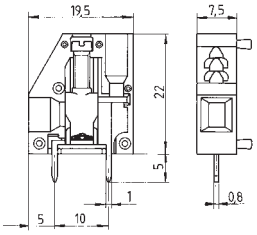
PCB terminal, rising cage clamp system pitch 7.50 mm

wiecon PCB

Rated cross section:
4.0 mm²

Rated current:
30 A

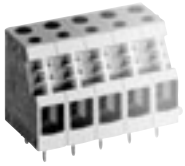
Wire range:
0.14 – 6.0 mm² single core/
0.14 – 4.0 mm² finely stranded

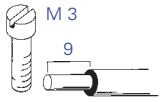


Materials
Insulating housing: PA 66/6 grey, UL 94-V0
Clamping part: galvanised steel
Contact and solder pin:
tin plated E-Cu
Clamping screw: galvanised steel

Rated voltages
pitch7.50 mm
500 V/6 kV/3 – Overvoltage category III
1000 V/6 kV/2 – Overvoltage category II
1000 V/6 kV/1 – Overvoltage category I

pitch10.00 mm, UL 600 V, CSA 600 V
690 V/8 kV/3 – Overvoltage category III
1000 V/8 kV/2 – Overvoltage category II
1000 V/8 kV/1 – Overvoltage category I





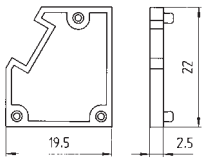
Solder pin 0.8 x 1.0 mm
Drill hole Ø 1.3 mm

Type 8375

conductor horizontal to PCB

Rated voltages VDE 0110			
UL Data	field-/factory wiring	No. 22/30 – 10 AWG	300 V 30/35 A
CSA Data		No. 22 – 10 AWG	300 V 30 A
Approvals			

		Type	Part No.	Box Qty
pitch 7.50 mm				
Individual poles connected in series	1 pole	8375	25.700.0153.0	100
Accessories				
pitch 10.00 mm				
Pitch intermediate plate (increases pitch from 7.50 to 10.00 mm)			07.300.2753.0	50
Test plug red		ST 2/2,3	Z5.553.2921.0	10
Marking strips	unmarked	9705 A/7,5/10	04.242.7553.0	25
1 – 10, 11 – 20 etc. 991 – 999	[1]marked	9705 A/7,5/10 B	04.842.7553.0	25
Marking branch	labelled 1, 2, 3 ... 0	9704 A/1-0 B	04.841.2150.0	25
Single tag	unmarked	9705 A	04.242.0850.0	500
	[1]marked	9705 AB	04.842.0850.0	500



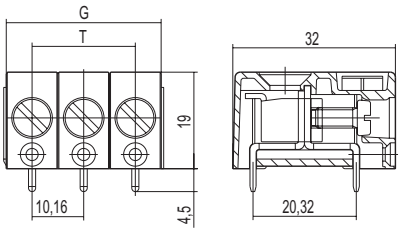
[1] Labelling on request

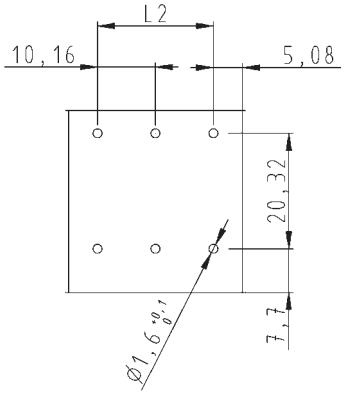
Rated cross section: 10.0 mm²

Rated current: 59 A
(based on ambient temperature 20 °C rated cross section and max. number of poles)

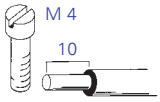
Wire range:
0.50 – 10.0 mm² single core and finely stranded

400 V/6 kV/3 – Overvoltage category III
690 V/6 kV/2 – Overvoltage category II
1000 V/6 kV/1 – Overvoltage category I





Solder pin 1.2 x 1.4 mm
Drill hole Ø 1.6 mm



Type 7573 L2.../W

Rated voltages VDE 0110				
UL Data	field-/factory wiring	No. 22 – 8 AWG	300 V	10 A
CSA Data		No. 22 – 8 AWG	300 V	10 A
Approvals				

Box Qty	G	T	Pole	Part No.	
pitch 10.16 mm				unmarked	
50	10.16		1	27.002.6153.0	
50	30.48	20.32	3	27.002.6353.0	
50	40.64	30.48	4	27.002.6453.0	

PCB terminal, rising cage clamp system
pitch 10.16 mm

wiecon PCB

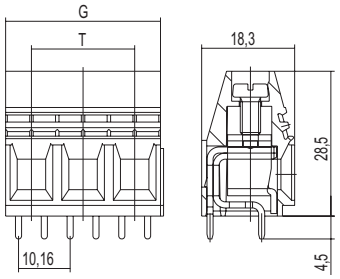
Rated cross section:
10 mm²

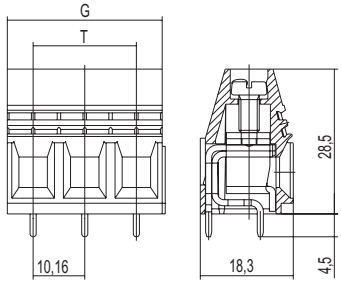
Rated current:
57 A
(based on ambient 20°C, rated cross section and max. number of poles)

Wire range:
0.50 – 16.0 mm² single core/
0.50 – 10.0 mm² finely stranded

Rated voltages
4 solder pins
250 V/4 kV/3 – Overvoltage category III
400 V/4 kV/2 – Overvoltage category III
630 V/4 kV/2 – Overvoltage category II

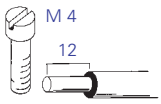
2 solder pins
630 V/8 kV/3 – Overvoltage category III
800 V/8 kV/2 – Overvoltage category III
1000 V/8 kV/2 – Overvoltage category II





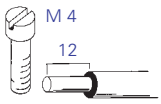
Solder pin 1.2 x 1.2 mm
Drill hole Ø 1.6 mm

4 solder pins



Solder pin 1.2 x 1.2 mm
Drill hole Ø 1.6 mm

2 solder pins



	Type 7572 L4		Type 7572 L2	
Rated voltages VDE 0110				
UL Data	field-/factory wiring			
	No. 22 – 8 AWG	300/150 V 10/40 A	No. 22 – 8 AWG	300/150 V 10/40 A
CSA Data	No. 22 – 8 AWG	300 V 10 A	No. 22 – 8 AWG	300 V 10 A
Approvals				

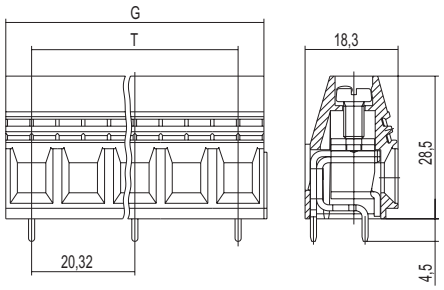
Box Qty	G	T	Pole	Part No. unmarked	Part No. unmarked
pitch 10.16 mm					
50	20.32	10.16	2	27.002.0253.0	27.002.2253.0
50	30.48	20.32	3	27.002.0353.0	27.002.2353.0

Rated cross section:
10 mm²

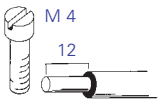
Rated current:
57 A
(based on ambient temperature 20 °C rated cross section and max. number of poles)

Wire range:
0.50 – 16.0 mm² single core/
0.50 – 10.0 mm² finely stranded

Rated voltages
1000 V/8 kV/3 – Overvoltage category III



Solder pin 1.2 x 1.2 mm
Drill hole Ø 1.6 mm



Type 7572 L2

Rated voltages VDE 0110

No. 22 – 6 AWG 600 V 60 A

Approvals

Box Qty	G	T	Pole	Part No.	
pitch 20.32 mm				unmarked	
50	30.48	20.32	2	27.002.4253.0	
50	50.64	40.48	3	27.002.4353.0	

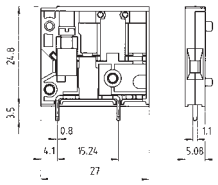
PCB terminal, rising cage clamp system pitch 5.08 mm

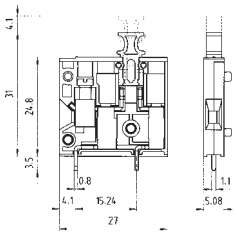
wiecon PCB

Rated cross section:
4.0 mm² single core/
2.5 mm² finely stranded

Rated current Type 8276: 26 A
Rated current Type 8276 TKS: 15 A

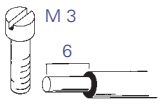
Wire range:
0.14 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

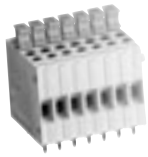




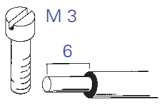
250 V/4 kV/3 – Overvoltage category III
400 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

Solder pin 0.8 x 1.1 mm
Drill hole Ø 1.4 mm

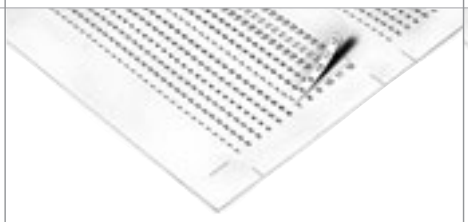
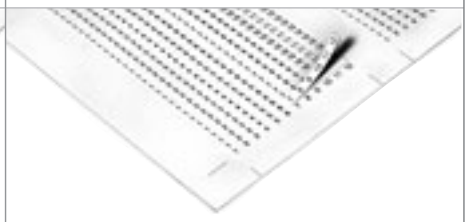




Solder pin 0.8 x 1.1 mm
Drill hole Ø 1.4 mm



		Type 8276 modular terminal		Type 8276 TKS disconnect terminal	
Rated voltages VDE 0110					
UL Data	field-/factory wiring	No. 30 – 14 AWG	300 V 15/23 A	No. 30 – 14 AWG	300 V 15 A
CSA Data		No. 30 – 14 AWG	300 V 20 A	No. 30 – 14 AWG	300 V 15 A
Approvals					

	Type	Part No.	Box Qty	Type	Part No.	Box Qty
pitch 5.08 mm						
Individual poles connected in series 1 pole Pole numbers latched together on request	8276	25.720.1353.0	100	8276 TKS	25.720.1453.0	100
Accessories						
Adhesive marking strips						
	1 – 12	04.007.4089.0	1	1 – 12	04.007.4089.0	1
	13 – 24	04.007.4189.0	1	13 – 24	04.007.4189.0	1
	25 – 36	04.007.4289.0	1	25 – 36	04.007.4289.0	1
	37 – 48	04.007.4389.0	1	37 – 48	04.007.4389.0	1
	49 – 60	04.007.4489.0	1	49 – 60	04.007.4489.0	1
	61 – 72	04.007.4589.0	1	61 – 72	04.007.4589.0	1
	73 – 84	04.007.4689.0	1	73 – 84	04.007.4689.0	1
	85 – 96	04.007.4789.0	1	85 – 96	04.007.4789.0	1
	97 – 108	04.007.4889.0	1	97 – 108	04.007.4889.0	1
Test plug red	ST 2/2,3	Z5.553.2921.0	10	ST 2/2,3	Z5.553.2921.0	10
	Materials Type 8276 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			Materials Type 8276 TKS Insulating housing: PA 66/6 grey, UL 94-V0 Disconnect component: PA 66/6 orange, UL 94-V-0 Clamping part: nickel plated brass Contact spring and solder pin: special copper alloy, tin plated Clamping screw: galvanised steel Isolating blade: tin plated E-Cu		

PCB terminal, rising cage clamp system
pitch 5.08 mm

Rated cross section:
2.5 mm²

Rated current:
6.3 A**

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

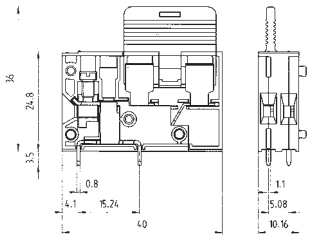
250 V/4 kV/3 – Overvoltage category III
*690 V/4 kV/2 – Overvoltage category II
1000 V/4 kV/1 – Overvoltage category I

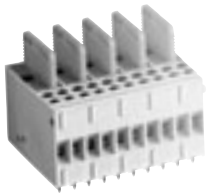
* max. 600 V for non-earthed systems or expected overvoltage ≤ 4 kV

** voltage and current are determined by the fuse link used 6.3 A up to a power loss of 1.6 W

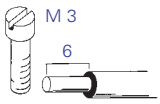
IEC 60 127-2/ DIN VDE 0820 T2 should be observed when selecting and using fuse link

DIN VDE 0820 T2





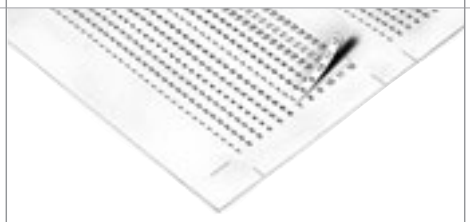
Solder pin 0.8 x 1.1 mm
and 0.5 x 1.1 mm
Drill hole Ø 1.4 mm



Type 8276 Si-D

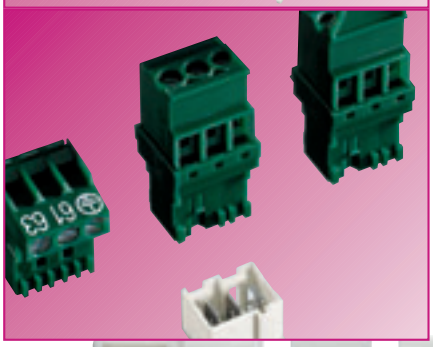
modular fuse terminal (for Si 5 x 20)

Rated voltages VDE 0110	No. 30 – 14 AWG	300 V 6.3 A
UL Data	No. 30 – 14 AWG	300 V 6.3 A
CSA Data		
Approvals		

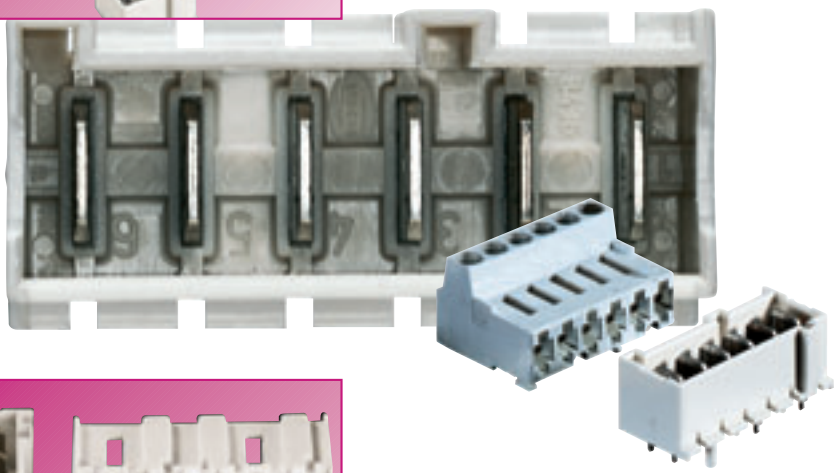
	Type	Part No.	Box Qty	
pitch 5.08 mm				
Individual poles connected in series 1 pole Pole numbers latched together on request	8276 Si-D	25.720.1653.0	100	
Accessories				
 Adhesive marking strips				
	1 – 12	04.007.4089.0	1	
	13 – 24	04.007.4189.0	1	
	25 – 36	04.007.4289.0	1	
	37 – 48	04.007.4389.0	1	
	49 – 60	04.007.4489.0	1	
	61 – 72	04.007.4589.0	1	
	73 – 84	04.007.4689.0	1	
	85 – 96	04.007.4789.0	1	
	97 – 108	04.007.4889.0	1	
Unmarked for customised labelling		04.007.3989.0	1	
Test plug red	ST 2/2,3	Z5.553.2921.0	10	
	Materials Type 8276 Si-D Insulating housing: PA 66/6 grey, UL 94-V0 Fuse holder: PA 66/6 orange, UL 94-V0 Clamping part: nickel plated brass Contact and solder pin: special copper alloy, tin plated Contact spring and solder pin: special copper alloy, tin plated Clamping screw: galvanised steel			

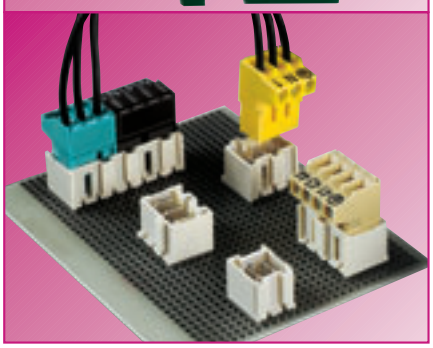
Type 8105 B, *RAST 5* Technology, PCB plug-in terminal, tab connector

wiecon PCB



Technical progress has probably seen the fastest advances in recent times in areas of electronics. Devices have become more sophisticated, requiring large numbers of components for functionality. To make them work together, printed circuit boards are used. For fitting these, Wieland Electric offer plug-in printed circuit board screw terminals with a *RAST 5* system which, combined with the corresponding tab connectors can be connected indirectly.



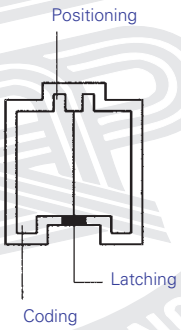


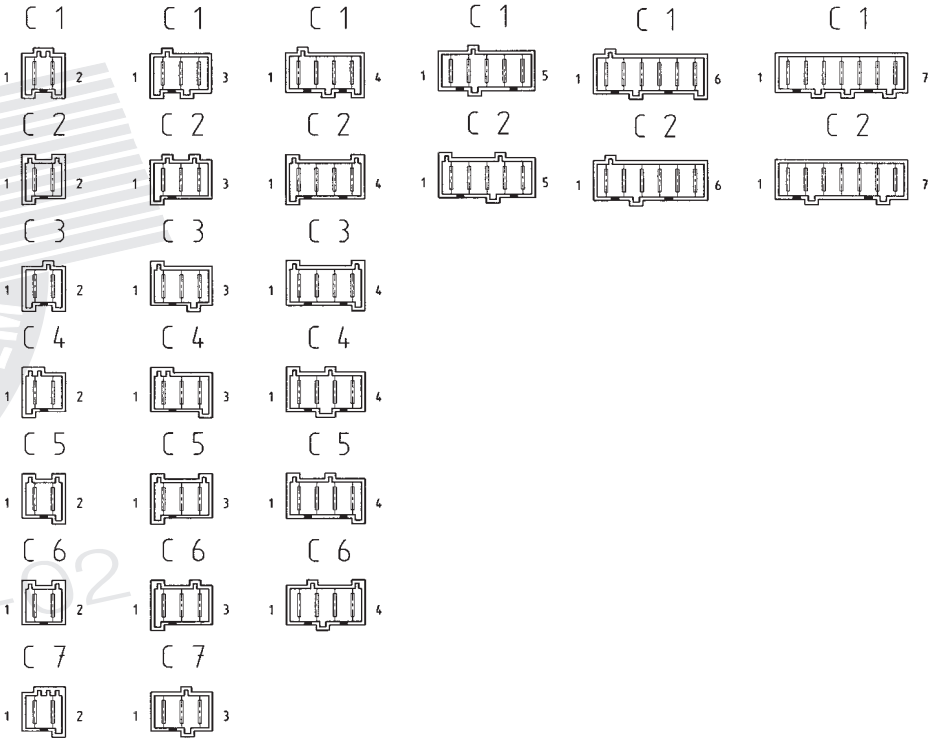
Fixed coding (without coding strip of type 8105) is designed in accordance with the *RAST 5* standard and corresponds to all known requirements that have been drawn up for 'white goods'. The same also applies to the standard variants that, apart from being connected horizontally, can also be connected vertically left and right or as tab connectors in a straight line.

They are all based on a rated current of 10A. The range extends from 2 – 7 poles. The conductor connection can be carried out with finely stranded 0.14 mm^2 – 2.5 mm^2, with or without ferrules, and as a single-core from 0.14 mm^2 – 4 mm^2.

		Page 382	Page 382	Page 383	Page 383	Page 383
						
Type		**8105 B/... C...**	**8105 B/...C...VR**	**8105 B/...C...VL**	**8105 F/...GC...**	**8105 F/WC...**
pitch	**mm**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**
cross section	**mm²**	**2.5**	**2.5**	**2.5**	**–**	**–**
pole		**2 – 7**	**2 – 7**	**2 – 7**	**2 – 7**	**2 – 7**

RAST 5
coding diagram





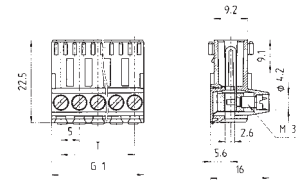
RAST 5
pluggable PCB terminal, pitch 5.00 mm
wiecon PCB

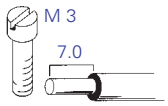
Rated cross section:
2.5 mm²

Rated current: 10 A

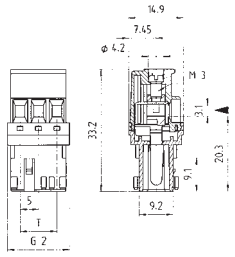
Wire range:
0.20 – 4.0 mm² single core/
0.14 – 2.5 mm² finely stranded

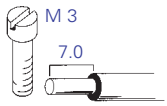
250 V/4 kV/3 – overvoltage category III
400 V/4 kV/2 – overvoltage category II
1000 V/4 kV/1 – overvoltage category I





Type 8105 B/... C... OB



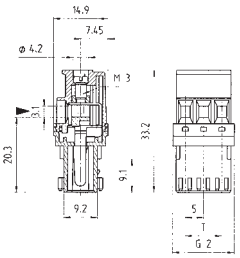


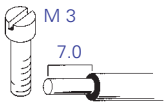
Type 8105 B/... C... VR OB

Rated voltages VDE 0110								
UL Data			No. 26 – 12 AWG	300 V	10 A	No. 26 – 12 AWG	300 V	10 A
CSA Data			No. 26 – 12 AWG	300 V	10 A	No. 26 – 12 AWG	300 V	10 A
Approvals								

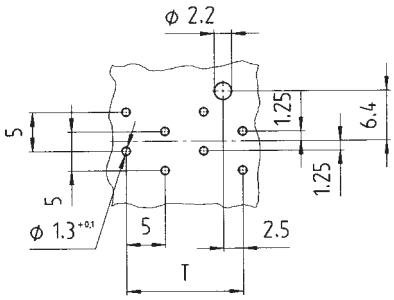
Box Qty	Poles	Coding	Part No.	Part No.
pluggable PCB terminal/header			unmarked	unmarked
100	2	C0	15.000.0253.0	15.020.0253.0
100		C1	15.001.0253.0	15.021.0253.0
100		C2	15.002.0253.0	15.022.0253.0
100		C3	15.003.0253.0	15.023.0253.0
100		C4	15.004.0253.0	15.024.0253.0
100		C5	15.005.0253.0	15.025.0253.0
100		C6	15.006.0253.0	15.026.0253.0
100		C7	15.007.0253.0	15.027.0253.0
100	3	C0	15.000.0353.0	15.020.0353.0
100		C1	15.001.0353.0	15.021.0353.0
100		C2	15.002.0353.0	15.022.0353.0
100		C3	15.003.0353.0	15.023.0353.0
100		C4	15.004.0353.0	15.024.0353.0
100		C5	15.005.0353.0	15.025.0353.0
100		C6	15.006.0353.0	15.026.0353.0
100		C7	15.007.0353.0	15.027.0353.0
50	4	C0	15.000.0453.0	15.020.0453.0
50		C1	15.001.0453.0	15.021.0453.0
50		C2	15.002.0453.0	15.022.0453.0
50		C3	15.003.0453.0	15.023.0453.0
50		C4	15.004.0453.0	15.024.0453.0
50		C5	15.005.0453.0	15.025.0453.0
50		C6	15.006.0453.0	15.026.0453.0
50	5	C0	15.000.0553.0	15.020.0553.0
50		C1	15.001.0553.0	15.021.0553.0
50		C2	15.002.0553.0	15.022.0553.0
50	6	C0	15.000.0653.0	15.020.0653.0
50		C1	15.001.0653.0	15.021.0653.0
50		C2	15.002.0653.0	15.022.0653.0
50	7	C0	15.000.0753.0	15.020.0753.0
50		C1	15.001.0753.0	15.021.0753.0
50		C2	15.002.0753.0	15.022.0753.0

RAST 5
PCB header

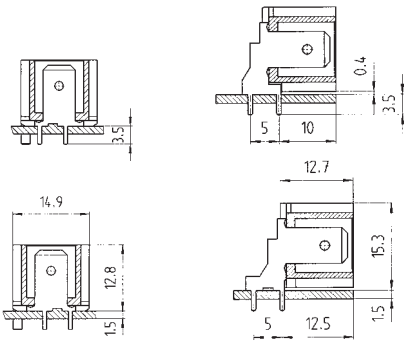




Drilling hole, component size



Positioning pins are omitted from design
8105 F/... WC ...OB



Type 8105 B/... C... VL OB

Rated voltages VDE 0110

No. 26 – 12 AWG	300 V	10 A
UL Data		
No. 26 – 12 AWG	300 V	10 A
CSA Data		
Approvals		

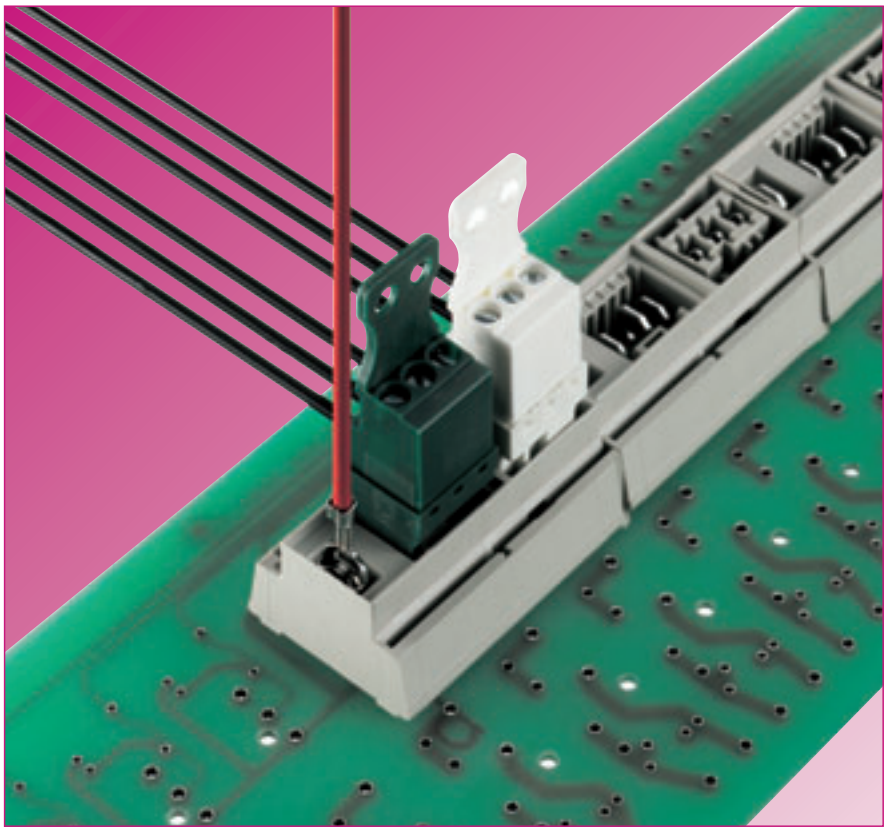
Type 8105 F/... GC ... OB / 8105 F/... WC... OB

No. 26 – 12 AWG	300 V	10 A
No. 26 – 12 AWG	300 V	10 A

Part No.	Box Qty	G1	G2	G3	T	Part No.	Part No.
unmarked					***RAST 5***	unmarked	unmarked
15.010.0253.0		10	11.8		5		
15.011.0253.0		10	11.8	12	5	15.301.0258.9	15.311.0258.9
15.012.0253.0		10	11.8	12	5	15.302.0258.9	15.312.0258.9
15.013.0253.0		10	11.8	12	5	15.303.0258.9	15.313.0258.9
15.014.0253.0		10	11.8	12	5	15.304.0258.9	15.314.0258.9
15.015.0253.0		10	11.8	12	5	15.305.0258.9	15.315.0258.9
15.016.0253.0		10	11.8	12	5	15.306.0258.9	15.316.0258.9
15.017.0253.0		10	11.8	12	5	15.307.0258.9	15.317.0258.9
15.010.0353.0		15	16.8		10		
15.011.0353.0		15	16.8	17	10	15.301.0358.9	15.311.0358.9
15.012.0353.0		15	16.8	17	10	15.302.0358.9	15.312.0358.9
15.013.0353.0		15	16.8	17	10	15.303.0358.9	15.313.0358.9
15.014.0353.0		15	16.8	17	10	15.304.0358.9	15.314.0358.9
15.015.0353.0		15	16.8	17	10	15.305.0358.9	15.315.0358.9
15.016.0353.0		15	16.8	17	10	15.306.0358.9	15.316.0358.9
15.017.0353.0		15	16.8	17	10	15.307.0358.9	15.317.0358.9
15.010.0453.0		20	21.8		15		
15.011.0453.0		20	21.8	22	15	15.301.0458.9	15.311.0458.9
15.012.0453.0		20	21.8	22	15	15.302.0458.9	15.312.0458.9
15.013.0453.0		20	21.8	22	15	15.303.0458.9	15.313.0458.9
15.014.0453.0		20	21.8	22	15	15.304.0458.9	15.314.0458.9
15.015.0453.0		20	21.8	22	15	15.305.0458.9	15.315.0458.9
15.016.0453.0		20	21.8	22	15	15.306.0458.9	15.316.0458.9
15.010.0553.0		25	26.8		20		
15.011.0553.0		25	26.8	27	20	15.301.0558.9	15.311.0558.9
15.012.0553.0		25	26.8	27	20	15.302.0558.9	15.312.0558.9
15.010.0653.0		30	31.8		25		
15.011.0653.0		30	31.8	32	25	15.301.0658.9	15.311.0658.9
15.012.0653.0		30	31.8	32	25	15.302.0658.9	15.312.0658.9
15.010.0753.0		35	36.8		30		
15.011.0753.0		35	36.8	37	30	15.301.0758.9	15.311.0758.9
15.012.0753.0		35	36.8	37	30	15.302.0758.9	15.312.0758.9

RAST 5 technology
Equipotential distribution board for PCB, pitch 5.00 mm

wiecon PCB



Customer specific connection modules with *RAST 5* technology

Main area of application:
RAST 5 technology: "White" and "Brown" goods

Main benefits of *RAST 5*:
- fixed integrated coding
- incorrect connections are not possible
- variety of colours available
  (benefit: immediate assignment of socket and plug component
- optimum for on-site installations

Wieland offers customer specific modifications e.g. single part *RAST 5* connection modules
- integrated jumper rail
  (e.g. earth conductor)
- socket and plug components in the connection module for potential distribution
  (guideline: socket must always be the conducting component)
- any combination of plugs/sockets with variable number of poles
- variety of colours

Rated cross section:
2.5 mm²

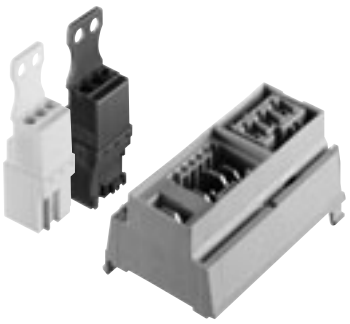
Rated current: 10 A

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

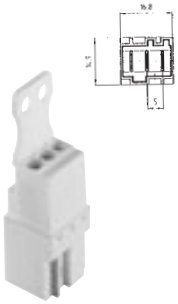
250 V/2.5 kV/3 – overvoltage category III
*690 V/2.5 kV/2 – overvoltage category II
1000 V/2.5 kV/1 – overvoltage category I

No. of poles: 2 – 7

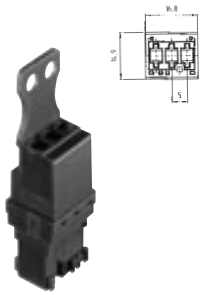
* max. 600 V for non-earthed systems or expected overvoltage ≤ 4 kV



Type 8105 BF/3/4



plug component



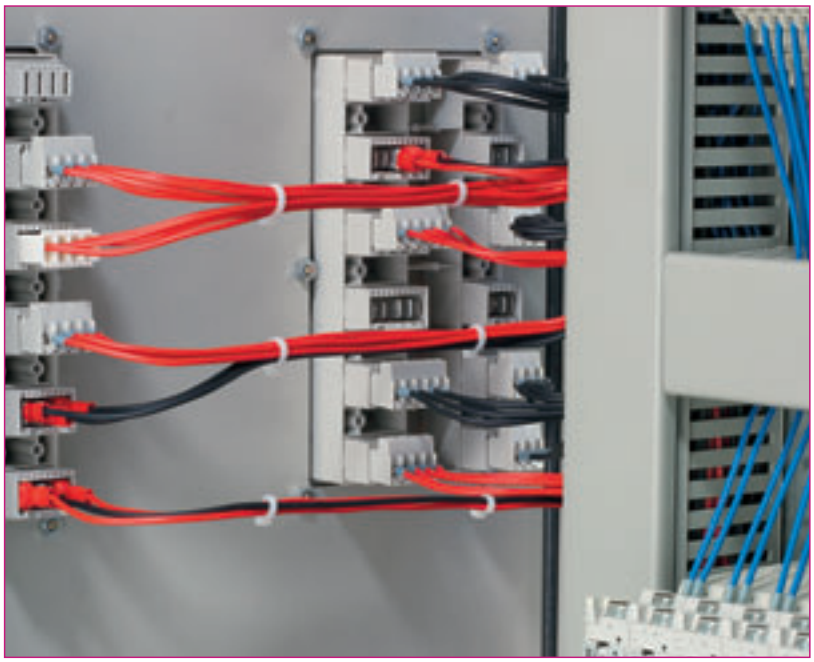
socket component

Rated voltages VDE 0110
UL Data
CSA Data – pending
Approvals

	Type	Part No.	Box Qty	Type	Part No.	Box Qty
pitch 5.00 mm						
		99.243.3564.7	100	plug component with strain relief, white	99.239.3564.7	100
				socket component with strain relief, green	99.259.3564.7	100

wiecon TER

External wiring



Internal wiring

Termination modules in *RAST 5* technology (IP 54) for series installation

The time consuming task of feeding through various external cables into the control cabinet has come to an end. With its termination module, **Wieland** has developed a cost effective and simple wiring method for modular installation.

Modular *RAST 5* control cabinet glanding with secure connection.

The principal aim is to optimise production of multiple installations with this wiring system by using cable assemblies with coded plugs.

A 100% testing of the cables and coding enables production that saves both time and costs.

Benefits compared to the conventional screw gland:

- installation time reduced by up to 80 % compared to conventional methods
- time and cost savings due to pre-assembled cables
- glanding with IP 54 protection
- error rate is zero as it is impossible to make a wrong connection
- specialist personnel are not required to connect the external wiring

wiecon

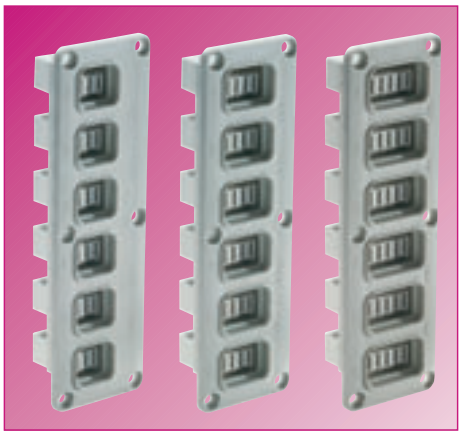
The external *RAST 5* connectors are available as 3 to 5 pole and prevent any errors during connection due to the secure coding system. The fixing of labels ensures that each plug can be rapidly assigned to the respective socket for modules with higher pole numbers.

The external connecting cables with special plugs which provide insulation with protection type IP 54, are supplied as prefabricated with the cable types required by the customer.

There is also the possibility of attaching further components to the other end of the cable such as outlet boxes e.g. temperature transducers.

The internal wiring is carried out either using cables with insulated
- *RAST 5* push-on blade
- *RAST 5* screwed bush
- *RAST 5* crimp connector

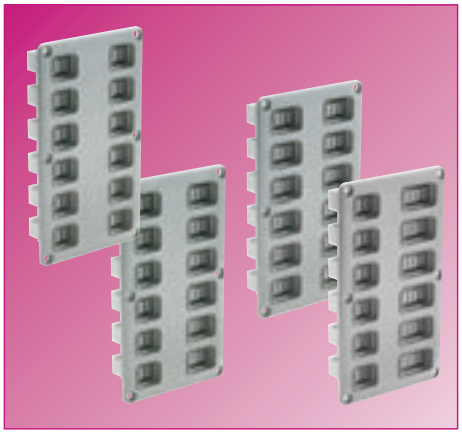
System configuration
There are 2 basic modules
- Module with 6 slots = TM 6
- Module with 12 slots = TM 12



TM 6

The TM 6 module has the following variants

- 6 slots 3 pole = Type **TM 6-3**
- 6 slots 4 pole = Type **TM 6-4**
- 6 slots 5 pole = Type **TM 6-5**



TM 12

The TM 12 module has the following variants 12 slots in two rows of 6

- 3 pole / 3 pole = Type **TM 12-33**
- 3 pole / 4 pole = Type **TM 12-34**
- 4 pole / 4 pole = Type **TM 12-44**
- 3 pole / 5 pole = Type **TM 12-35**

All these types are coded to ensure a reliable connection i.e. there are no identical slots within a moduleand there are 2 variants of each type.

Cable types of external cables

The following standard cable types are available:
- Ölflex Quattro 150 in the pole numbers 3/4/5 pole
- Ölflex quattro 150 CY (shield version) in the pole numbers 3/4/5 pole

The quantity of possible combinations of modules, codes and cables makes it possible to implement a variety of customer-specific wiring solutions. Special module variants and cables are also possible.

To test the variety of possible variations, it is possible to order the function set TM 6-5 with cables.

Technical data of the TM modules and external cables

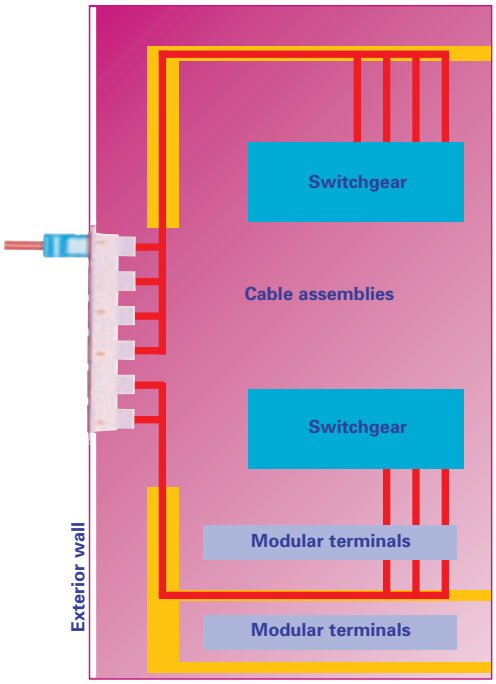
Wire range: 1.5 mm^2 (Standard)

Rated voltage:
250 V/4 kV/3 – overvoltage category III

Rated current intensity: 10 A

Approvals in preparation:
UL, CSA and VDE

Application of the TM Module 6/12 in the control cabinet



Function set TM 6

wiecon TER

Function set, consisting of
1 x TM 6-5 including cable set 6 x 10 m Ölflex
Quattro cable 5 x 1.5 mm²
with a 5 pole plug in the blade version

6 slots 3 pole =
Type **TM 6-3**

6 slots 4 pole =
Type **TM 6-4**

Type TM 6-5 F

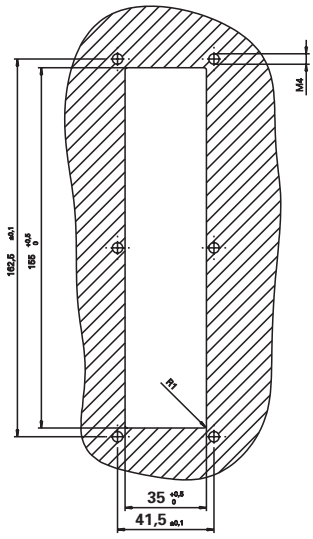
Type	Part No.	Box Qty
TM 6-5 F	99.483.0000.0	on request

Type TM 6-3

Type	Part No.	Box Qty
TM 6-3 coding on request		auf Anfrage

Type TM 6-4

Type	Part No.	Box Qty
TM 6-4 coding on request		on request



Drill hole
D = 3.8
for self tapping screw
05.084.0212.0

Overall dimensions, steel cutout and drill hole configuration are identical for all TM6 variants

6 slots 5 pole =
Type **TM 6-5**

Type TM 6-5

Type	Part No.	Box Qty
TM 6-5 coding on request		on request

TM 6 Cover

suitable for all pole combinations

Type	Part No.	Box Qty
TM 6-X	15.800.9956.0	

Sealing plug

Type	Part No.	Box Qty
3 pole	05.562.5957.1	
4 pole	05.562.6557.1	
5 pole	05.562.8257.1	

Function set TM 12

wiecon TER

12 slots in two rows of 6
3 pole/3 pole =
Type **TM 12-33**

12 slots in two rows of 6
3 pole/4 pole =
Type **TM 12-34**

12 slots in two rows of 6
4 pole/4 pole =
Type **TM 12-44**

Type TM 12-33

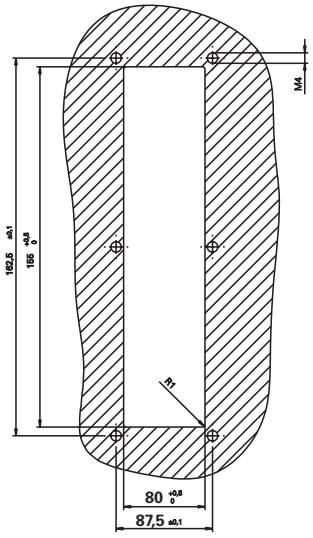
Type	Part No.	Box Qty
TM 12-33 coding on request		on request

Type TM 12-34

Type	Part No.	Box Qty
TM 12-34 coding on request		on request

Type TM 12-44

Type	Part No.	Box Qty
TM 12-44 coding on request		on request



Drill hole
D = 3.8
for self tapping screw
05.084.0212.0

Overall dimensions, steel cutout and drill hole configuration are identical for all 6 variants

12 slots in two rows of 6
3 pole/5 pole =
Type **TM 12-35**

Type TM 12-55

TM 12 cover

suitable for all pole combinations TM 12-XX

Sealing plug

Type	Part No.	Box Qty
TM 12-35 coding on request		on request

Type	Part No.	Box Qty
TM 12-XX	15.800.8856.0	

Type	Part No.	Box Qty
3 pole	05.562.5957.1	
4 pole	05.562.6557.1	
5 pole	05.562.8257.1	

Node connector (insulation displacement technology) pitch 5.00/5.08 mm

wiecon ASI

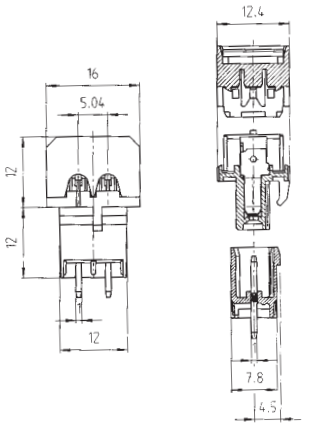
Rated cross section:
0.75 mm²

Rated current:
3 A

Wire range:
0.50 – 0.75 mm² finely stranded

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

Current range:
3 mA to 3 A

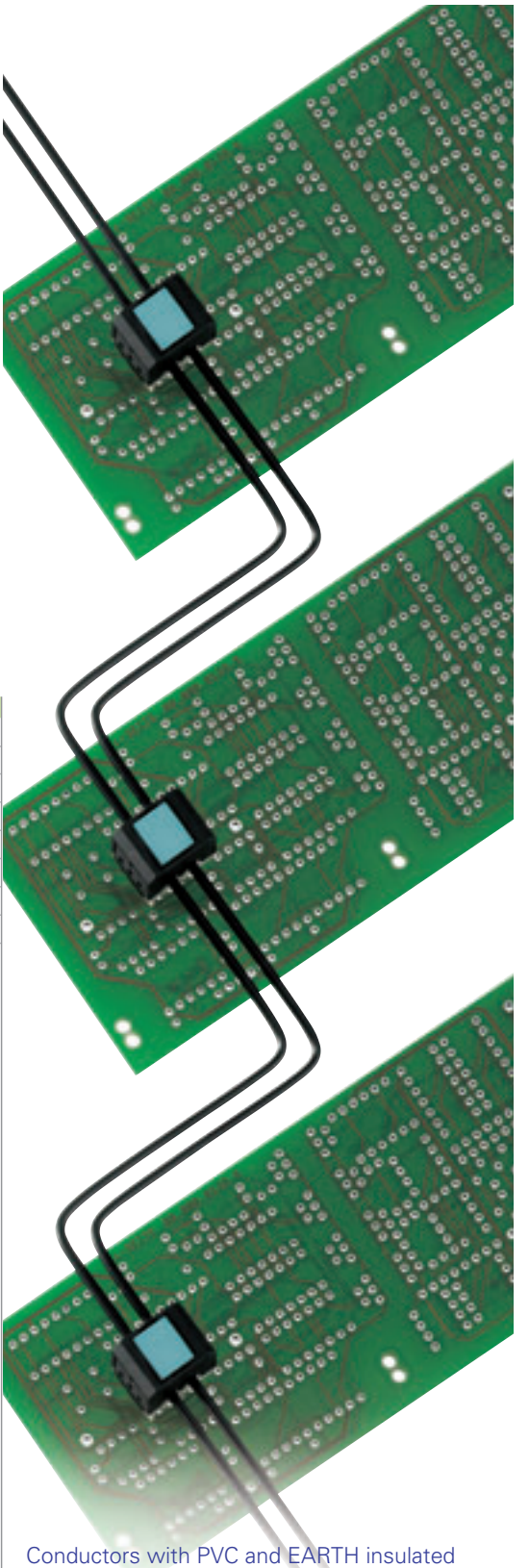


solder pin 1.0 x 1.0 mm
drill hole Ø 1.4 mm

Type 8113 BSK/2

Rated voltages VDE 0110				
UL Data	field-/factory wiring	No. 20 – 18 AWG	300 V	3 A
CSA Data		No. 20 – 18 AWG	300 V	3 A
Approvals				

		Type	Part No.	Box Qty
pitch 5.00/5.08 mm				
ASI node connector	2 pole			
Cap	black		25.399.9853.0	100
Cap	yellow		25.399.9853.8	100
Cap	red		25.399.9853.5	100
	(colour of socket base: grey)			
Marker tag	green		04.240.0953.0	100

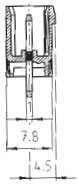


Conductors with PVC and EARTH insulated cores can be connected. Others available on request. The wire diameter of the finely stranded copper conductor must be at least 0.2 mm. The norm DIN VDE 0295 applies to the structure of the wire.

PCB header
pitch 5.00/5.08 mm

Rated current:
12 A

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



solder pin 1.0 x 1.0 mm
drill hole Ø 1.4 mm

Type 8113 S/... G, 8213 S/... G

Connection vertical to PCB

Rated voltages VDE 0110			
UL Data	No. 22 – 12 AWG	250 V	15 A
CSA Data	No. 22 – 12 AWG	300 V	12 A
Approvals			

Box Qty	G	T	Pole	Part No.
pitch 5.00 mm				unmarked
100	11.40	5	2	25.330.3253.0
pitch 5.08 mm				unmarked
100	11.56	5.08	2	25.350.3253.0

ASI branch connector with insulation piercing technology

The ASI connector has been developed for both ASI bus systems and LON and EIBA systems. In these systems, auxiliary voltage and information are transmitted simultaneously via the two cores of the bus cable.

The ASI node connector, a plug-in PCB terminal with insulation displacement technology, ensures that the required signal to the actuator or sensor is picked up.

The wiring of the ASI node connector is both simple and effective:

The two cables are laid in the open terminal compartment of the connector and the cover is then pressed into position with a pair of pliers that closes vertically – the connection is then made.
The connection to the PCB is established by plugging onto a 2 pole header.

Note: The considerably more cost-effective standard wire is used here instead of the ASI special cable.

Materials
Insulating component: PA 66/6
CI-Index: ≥ 600
Fire protection class: UL 94-V-2
Contact components
Surface of material: special copper alloy

Processing:
Special tools for large scale wiring available on request

Marking material

wiecon

Material:
Polyamide 66/6
Colour: black figures on a white background

Marking strips pitch 10 mm

Type	Part No.	Box Qty
9705 A/5/10/5 B	04.842.5553.0	25

Marking tags for WEB empty housing

	04.242.1050.0	200

3 digit marker tag single tag

Type	Part No.	Box Qty
unmarked		
9705 A	04.242.0850.0	500
marked*		
9705 AB	04.842.0850.0	500

* indicate required marking tag in addition to part number

Packing unit = 500 tags

8 digit marker tag single tag

Type	Part No.	Box Qty
unmarked		
9705 AL	04.242.1553.0	500
marked*		
9705 ALB	04.842.1553.0	500

* indicate required marking tag in addition to part number

Packing unit = 500 tags

Marking strips pitch 10 mm

Type	Part No.	Box Qty
unmarked		
9705 A/5/10	04.242.5053.0	25
marked*		
9705 A/5/10 B	04.842.5053.0	25
with enlarged labelling area		
9705 AL/5/10	04.242.5153.0	25

* indicate required marking tag in addition to part number

Packing unit = 25 strips = 250 tags

Marking strips pitch 5 mm

Type	Part No.	Box Qty
9705 A/5/9 B	04.842.4953.0	25

Marking of the strips:
1 ... 9

Packing unit = 25 strips = 225 tags

Marking branch with 10 marker tags

Material: Polyamide 66/6 white,	marking on each branch	Type	Part No.	Box Qty
unmarked		9704 A	04.241.1150.0	25
marked with the same number	1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 0 0 0 0 0 0 0 0 0 0	9704 A/1 B 9704 A/2 B 9704 A/3 B 9704 A/4 B 9704 A/5 B 9704 A/6 B 9704 A/7 B 9704 A/8 B 9704 A/9 B 9704 A/0 B	04.841.1150.0 04.841.1250.0 04.841.1350.0 04.841.1450.0 04.841.1550.0 04.841.1650.0 04.841.1750.0 04.841.1850.0 04.841.1950.0 04.841.2050.0	25 25 25 25 25 25 25 25 25 25
marked with consecutive numbers	1 2 3 4 5 6 7 8 9 0	9704 A/1-0 B	04.841.2150.0	25
marked with identical uppercase letters	A A A A A A A A A A B B B B B B B B B B C C C C C C C C C C D D D D D D D D D D E E E E E E E E E E F F F F F F F F F F G G G G G G G G G G H H H H H H H H H H I I I I I I I I I I J J J J J J J J J J K K K K K K K K K K L L L L L L L L L L M M M M M M M M M M N N N N N N N N N N O O O O O O O O O O P P P P P P P P P P Q Q Q Q Q Q Q Q Q Q R R R R R R R R R R S S S S S S S S S S T T T T T T T T T T U U U U U U U U U U V V V V V V V V V V W W W W W W W W W W X X X X X X X X X X Y Y Y Y Y Y Y Y Y Y Z Z Z Z Z Z Z Z Z Z	9704 A/AG B 9704 A/BG B 9704 A/CG B 9704 A/DG B 9704 A/EG B 9704 A/FG B 9704 A/GG B 9704 A/HG B 9704 A/IG B 9704 A/JG B 9704 A/KG B 9704 A/LG B 9704 A/MG B 9704 A/NG B 9704 A/OG B 9704 A/PG B 9704 A/QG B 9704 A/RG B 9704 A/SG B 9704 A/TG B 9704 A/UG B 9704 A/VG B 9704 A/WG B 9704 A/XG B 9704 A/YG B 9704 A/ZG B	04.841.2250.0 04.841.2350.0 04.841.2450.0 04.841.2550.0 04.841.2650.0 04.841.2750.0 04.841.2850.0 04.841.2950.0 04.841.3050.0 04.841.3150.0 04.841.3250.0 04.841.3350.0 04.841.3450.0 04.841.3550.0 04.841.3650.0 04.841.3750.0 04.841.3850.0 04.841.3950.0 04.841.4050.0 04.841.4150.0 04.841.4250.0 04.841.4350.0 04.841.4450.0 04.841.4550.0 04.841.4650.0 04.841.4750.0	25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25
marked with identical lowercase letters	a a a a a a a a a a b b b b b b b b b b c c c c c c c c c c d d d d d d d d d d e e e e e e e e e e f f f f f f f f f f g g g g g g g g g g h h h h h h h h h h i i i i i i i i i i j j j j j j j j j j k k k k k k k k k k l l l l l l l l l l m m m m m m m m m m n n n n n n n n n n o o o o o o o o o o p p p p p p p p p p q q q q q q q q q q r r r r r r r r r r s s s s s s s s s s t t t t t t t t t t u u u u u u u u u u v v v v v v v v v v w w w w w w w w w w x x x x x x x x x x y y y y y y y y y y z z z z z z z z z z	9704 A/AK B 9704 A/BK B 9704 A/CK B 9704 A/DK B 9704 A/EK B 9704 A/FK B 9704 A/GK B 9704 A/HK B 9704 A/IK B 9704 A/JK B 9704 A/KK B 9704 A/LK B 9704 A/MK B 9704 A/NK B 9704 A/OK B 9704 A/PK B 9704 A/QK B 9704 A/RK B 9704 A/SK B 9704 A/TK B 9704 A/UK B 9704 A/VK B 9704 A/WK B 9704 A/XK B 9704 A/YK B 9704 A/ZK B	04.841.4850.0 04.841.4950.0 04.841.5050.0 04.841.5150.0 04.841.5250.0 04.841.5350.0 04.841.5450.0 04.841.5550.0 04.841.5650.0 04.841.5750.0 04.841.5850.0 04.841.5950.0 04.841.6050.0 04.841.6150.0 04.841.6250.0 04.841.6350.0 04.841.6450.0 04.841.6550.0 04.841.6650.0 04.841.6750.0 04.841.6850.0 04.841.6950.0 04.841.7050.0 04.841.7150.0 04.841.7250.0 04.841.7350.0	25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25
marked with the same symbol	+ + + + + + + + + + – – – – – – – – – – / / / / / / / / / /	9704 A/+ B 9704 A/– B 9704 A// B 9704 A/. B	04.841.7450.0 04.841.7550.0 04.841.7650.0 04.841.7750.0	25 25 25 25
1 set of identical numbers = 10 x 25 branches = 2500 digits 1 set of uppercase letters = 26 x 25 branches = 6500 letters 1 set of lowercase letters = 26 x 25 branches = 6500 letters	1 1 1 ... 0 0 0 A A A ... Z Z Z a a a ... z z z	111 to 000 A to Z GB a to z KB	04.841.9050.0 04.841.9150.0 04.841.9250.0	1 1 1

contents

contents of type description

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contents of type description

contents TYPE

contents

contents of part number

contents PART NUMBER

contents of part number

contents PART NUMBER

Part no.	Type	section / page
07.451.0180.0		267
07.451.2480.0	BZ KL 17 / 24	267
07.470.1380.0	UNTERLEGPLATTE	258
07.470.2256.0	LEITERHALTER	258
07.470.3256.0	LEITERHALTER	258
07.471.1380.0	UNTERLEGPLATTE	259
07.472.1380.0	UNTERLEGPLATTE	259
07.473.1380.0	UNTERLEGPLATTE	259
08.000.0106.0	X L= 1000 MIT SCHIRM	569
08.000.0106.1	X L= 1500 MIT SCHIRM	569
08.000.0106.2	X L= 2000 MIT SCHIRM	569
08.000.0106.3	X L= 2500 MIT SCHIRM	569
08.000.0106.4	X L= 3000 MIT SCHIRM	569
08.000.0106.5	X L= 3500 MIT SCHIRM	569
08.000.0106.6	X L= 4000 MIT SCHIRM	569
08.000.0106.7	X L= 4500 MIT SCHIRM	569
08.000.0106.8	X L= 5000 MIT SCHIRM	569
08.000.0106.9	X L= 6000 MIT SCHIRM	569
08.000.0107.0	X L= 7000 MIT SCHIRM	569
08.000.0107.1	X L= 8000 MIT SCHIRM	569
08.000.0107.2	X L= 9000 MIT SCHIRM	569
08.000.0107.3	X L=10000 MIT SCHIRM	569
08.000.0107.4	X L= 1000 OHNE SCHIRM	569
08.000.0107.5	X L= 1500 OHNE SCHIRM	569
08.000.0107.6	X L= 2000 OHNE SCHIRM	569
08.000.0107.7	X L= 2500 OHNE SCHIRM	569
08.000.0107.8	X L= 3000 OHNE SCHIRM	569
08.000.0108.0	X L= 4000 OHNE SCHIRM	569
08.000.0108.1	X L= 4500 OHNE SCHIRM	569
08.000.0108.2	X L= 5000 OHNE SCHIRM	569
08.000.0108.3	X L= 6000 OHNE SCHIRM	569
08.000.0108.4	X L= 7000 OHNE SCHIRM	569
08.000.0108.5	X L= 8000 OHNE SCHIRM	569
08.000.0108.6	X L= 9000 OHNE SCHIRM	569
08.000.0108.7	X L=10000 OHNE SCHIRM	569
08.000.0108.9	Y BANDBREITE BIS 8M	569
14.100.0170.0	547	261
14.100.0270.0	548	261
14.100.0370.0	549	261
14.200.0270.0	1032	262
14.200.0370.0	1033	262
14.200.0470.0	1033 A	262
14.200.1270.0	1032 M 3.5	262
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