

wiecon® PUSH-IN

INSERTED FLAT

Space-saving printed circuit board terminals
for appliances + light applications.





WIRING DEVICES FAST + SAFELY WITH **PUSH-IN** CONNECTION.

Our wiecon® push-in printed circuit board terminals offer all device and light manufacturers a comprehensive range of terminals for quick and safe connections.

The PCB terminal 7060 SMD is the ideal solution for especially small and flat applications, such as light engines in spotlights, downlights and multi-tools. The two 8562 TOP H and 8562 N terminals are best suited to electronic ballasts, drivers and frequency converters. You can decide to connect your conductor to the printed circuit board in parallel or at a 45° angle. Our push-in terminals allow simple and quick terminal connections.

YOUR BENEFITS

- + Space-saving
- + Secure wiring
- + Reduce wiring time
- + Vibration-proof connections
for meeting the toughest requirements



UNIQUE CAGE TERMINAL SYSTEM

The cage-like design of the contacts reliably prevents the conductor being supported on the plastic. This ensures optimum handling and the utmost safety.

SPECIALLY SUITABLE FOR:

- + SMALL DEVICES
- + LED MODULES
- + LED DRIVERS
- + ELECTRONIC ASSEMBLIES
- + OPERATING ELEMENTS
- + INTERCOM SYSTEMS
- + INVERTERS
- + PRESENCE DETECTOR
- + ETC.





LED APPLICATIONS.

We are a solution provider to the lighting sector, and our printed circuit board terminals offer you smart, pluggable future-facing components for the broadest range of LED applications.

Our wiecon® push-in terminals allow you to create maintenance-friendly printed circuit board connections for LED drivers/modules, LED illuminated operating elements, displays and buttons. Our product specialists are at your disposal for individual solutions or modified variants.



- + Fast + reliable connections
- + Flexible use of various conductors
- + Utmost safety + optimum handling

LED DRIVERS + ELECTRONIC MODULES

The stackability of the individual terminals with various numbers of poles lends your module particular flexibility. You produce your module with maximum expandability and assemble only what's required.

- The 8562 TOP H with parallel conductor entry is especially suitable for flat modules.
- For standard drivers, the 45° conductor entry of the 8562 N offers additional comfort when connecting conductors.



LED-MODULES

Thanks to its construction height of just 4.1 mm, the 7060 SMD terminal is the perfect solution for LED printed circuit boards and light engines.

- This low height allows the LEDs to be positioned close to the terminal connection.
- With 9 A of rated current, your applications know no bounds.

ILLUMINATED OPERATING ELEMENTS, PUSHBUTTONS, DISPLAYS

Miniaturizing cuts costs – we supply connection components with small dimensions, e.g. the flat SMD 7060 terminal. In addition to its low construction height, this terminal requires very little space on the printed circuit board.

- Reducing module dimensions
- Conductor connection parallel to the printed circuit board allows space-saving positioning of the conductors

ZHAGA STANDARD-COMPLIANT

All our printed circuit board terminals for LED applications conform to the international standard in the lighting industry.

- Terminals comply with the Zhaga standard
- New developments also possible
- 3D data and sample parts available



DEVICE APPLICATIONS.

A reliable high and consistent quality of all electronic parts and components, as well as standard conformity are crucial to industrial production.

Our wiecon® printed circuit board terminals with push-in connections have all relevant approvals and allow the simple and safe transmission of signals, data and power directly to the printed circuit board.

Their space-saving design makes them the ideal choice for numerous small device applications and in the industrial sector.

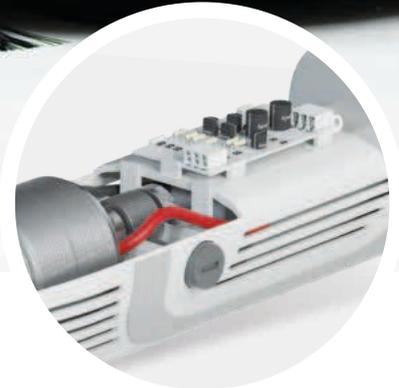
- + Vibration-proof for the toughest applications
- + Quick + safe connections
- + Flexible use of various conductors
- + Utmost safety + optimum handling
- + For flat + compact applications



INTERCOM + OPERATING SYSTEMS

Flat modules that require numerous printed circuit board connections can be quickly and simply implemented with the 8562 TOP H printed circuit board terminal.

- Terminals stackable in the rack save space on the printed circuit board
- Different colors help assign the conductor connection
- Direct plug-in of flexible conductors with cable end-sleeves



SMALL DEVICES + CONTROLLERS

The use of the SMD 7060 terminal eliminates the need for time-consuming and expensive direct soldered connection and the required conductor connections can be designed pluggable.

- Maintenance-free
- Vibration-proof – so the conductor connection cannot break off



FREQUENCY CONVERTERS

When frequency converters are used for electric motors, vibrations also occur in the close vicinity of the devices, and these present no problem for our push-in printed circuit board terminals.

- Maintenance-free
- Separate inspection openings allow the electrical connection to be checked at any time, without having to unclamp the conductor



SMART-HOME DEVICES

Our flat printed circuit board terminals allow all smart-home manufacturers to create an extremely compact device design and ensure the safe connection of their products.

- 7060 SMD construction height just 4.1 mm
- The 8562 TOP H height of just 6.4 mm is suitable for printed circuit board cross-sections of 1.5 mm² (especially in domestic installations)



WIECON® 7060 SMD.

The powerful SMD printed circuit board terminal.

FEATURES

POWERFUL

- Current rating 9 A

SIMPLE

- Loosen the conductor using a screwdriver for slot head screws (1 mm blade width)

SPACE-SAVING

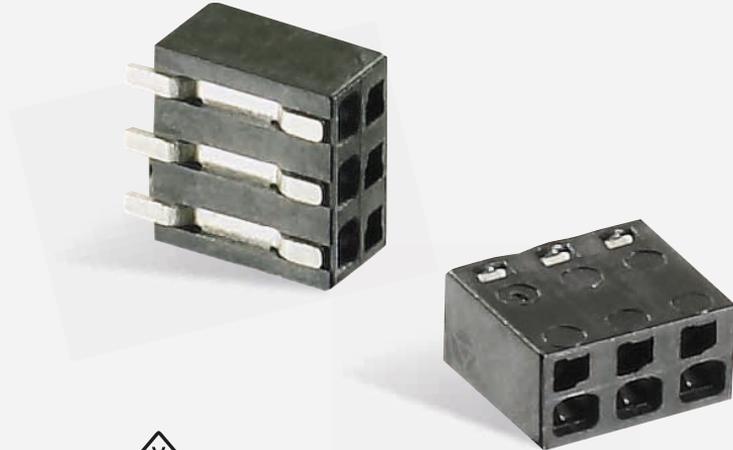
- Assembly height only 4.14 mm (fulfills requirements to Zhaga Book 10)

FLEXIBLE

- Through the use of high temperature resistant materials
 - filament resistance to DIN EN 60335-1 to 750 °C < 2 seconds
 - Ambient temperature -40 °C to 125 °C
 - Solder temperature for THR process up to 270 °C for 60 seconds

FAST

- Check the electrical connection using test opening



+ Assembly height only 4.14 mm

+ Pitch 2.5 mm

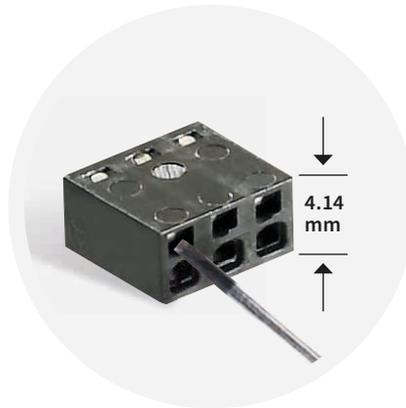
+ Push-In connection

+ SMD contacts for fully-automated assembly



Integrated test points

Direct access to live parts.



Compact geometry

Best possible use of the terminal space according to the DIN size. Conductor can be removed with a screwdriver.



Easy to remove

Large suction surface enables simple and quick removal.

wiecon® 7060 SMD



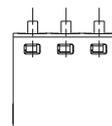
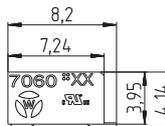
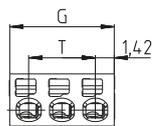
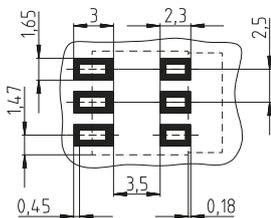
Poles	G (mm)	T (mm)	Part No.	PU
1	2.85	-	upon request	-
2	5.35	2.5	25.400.3210.1	3.900
3	7.85	5.0	25.400.3310.1	3.900
4	10.35	7.5	25.400.3410.1	3.900
5	12.85	10.0	upon request	-
6	15.35	12.5	upon request	-
7	17.85	15.0	upon request	-
8	20.35	17.5	upon request	-

TECHNICAL DATA

Approval	VDE ¹⁾	cURus
Rated voltage	320 V/2.5 kV	150 V
with empty pole	-	300 V
Rated current	9 A	-
field wiring	-	7 A
factory wiring	-	9 A
Wire connection range		
fine stranded	0.32 - 0.75 mm ² / AWG 22 - 18	
solid	0.32 - 0.75 mm ² / AWG 22 - 18	
Wire strip length	5.5 mm	
Dimensions		
Pitch	5.5 mm	
Assembly height	4.14 mm	
Connection type	Push-In	
Color	Black or white	
Ambient temperature	-40 °C ... +125 °C	

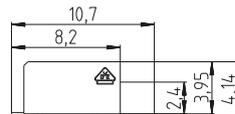
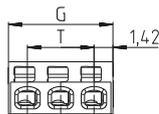
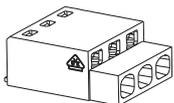
¹⁾ Rated voltage for overvoltage category II/pollution degree 2

DIMENSIONS



UPON REQUEST

Version for fully-automated wiring





WIECON® 8562 TOP H.

The flat, innovative printed circuit board terminal.

FEATURES

POWERFUL

- Current rating 4 A

SIMPLE

- Loosen the conductor using a pin tool or a solid conductor with $< 1.0 \text{ mm}^2$ cross section

SAFE

- Through one-piece insulated housing concept

SPACE-SAVING

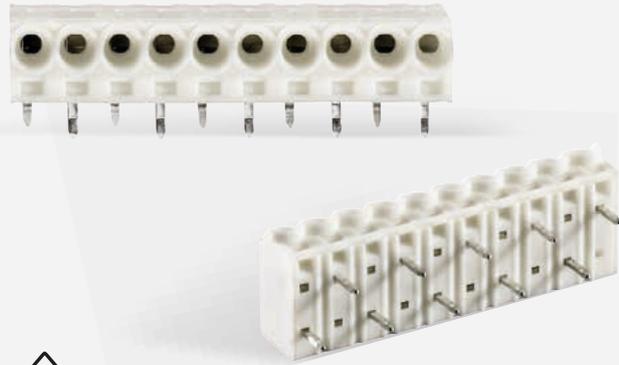
- Due to side-by-side mounting without loss of poles – no space given up

FLEXIBLE

- Through the use of high temperature resistant materials
 - UL-94 V0
 - Ambient temperature to 125 °C
 - filament resistance to DIN EN 60335-1 to 750 °C < 2 seconds

FAST

- Check the electrical connection using test opening



- + Assembly height only 6.4 mm
- + Pitch 3.5 mm
- + Push-In connection
- + Side-by-side mounting without loss of poles
- + Suitable for conductor cross-sections to 1.5 mm^2



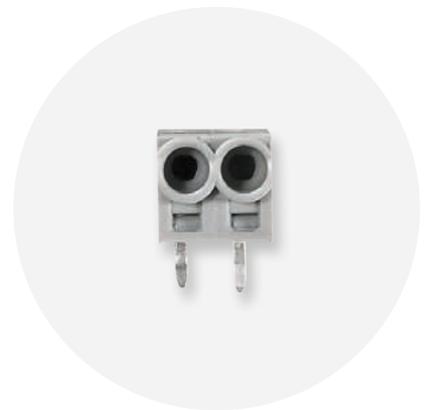
Integrated test points

Direct access to live parts.



Compact geometry

Conductor connection parallel to the printed circuit board for especially flat applications.



Customer-specific versions

In differing materials and pin configurations.

wiecon® 8562 TOP H

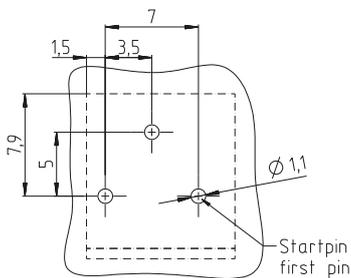


Pole	G (mm)	T (mm)	Part No.	PU
2	7.0	3.5	25.400.4253.0	1.000
3	10.5	7.0	25.400.4353.0	1.000
4	14.0	10.5	25.400.4453.0	1.000
5	17.5	14.0	25.400.4553.0	1.000
6	21.0	17.5	25.400.4653.0	1.000
7	24.5	21.0	25.400.4753.0	800
8	28.0	24.5	25.400.4853.0	800
9	31.5	28.0	25.400.4953.0	600
10	35.0	31.5	25.400.5053.0	600
11	38.5	35.0	25.400.5153.0*	500
12	42.0	38.5	25.400.5253.0*	500

TECHNICAL DATA

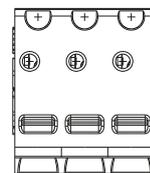
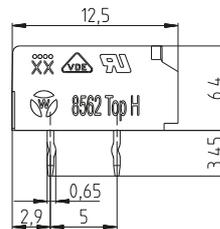
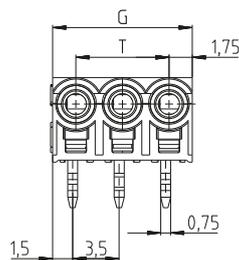
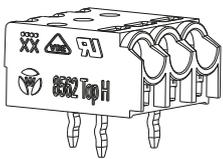
Approval	VDE ¹⁾	UR
Rated voltage	250 V/4 kV	300 V
Rated current	4 A	-
field wiring	-	4 A
factory wiring	-	4 A
Wire connection range		
fine stranded with ferrule	0.14 - 0.75 mm ²	
solid	0.5 - 1.5 mm ² / AWG 20 - 16	
Wire strip length	8.0 mm	
Dimensions		
Pitch	3.5 mm	
Assembly height	6.4 mm	
Connection type	Push-In	
Color	Gray, white or orange	
Ambient temperature	+85 °C or +125 °C	

DIMENSIONS



* upon request

¹⁾ Rated voltage for overvoltage category III/pollution degree 3





WIECON® 8562 N.

The compact printed circuit board terminal with convenient operation.

FEATURES

POWERFUL

- Current rating 4 A

SIMPLE

- Loosen the conductor using a standard slotted screwdriver (0.4 x 2.5 mm e.g. 06.504.4300.0)

SAFE

- Through one-piece insulated housing concept

SPACE-SAVING

- No space given up due to side-by-side mounting without loss of poles

FLEXIBLE

- Through the use of high temperature resistant materials
 - UL-94 V0
 - Ambient temperature to 125 °C
 - filament resistance to DIN EN 60335-1 to 750 °C < 2 seconds

FAST

- Check the electrical connection using test opening \varnothing 1.6 mm

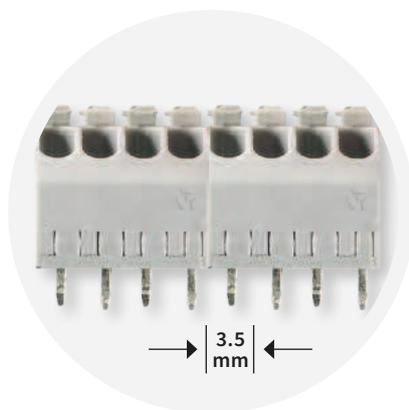


- + Pitch 3.5 mm
- + Push-In connection
- + Side-by-side mounting without loss of poles
- + Captive due to special pin geometry
- + Suitable for conductor cross-sections to 1.5 mm²



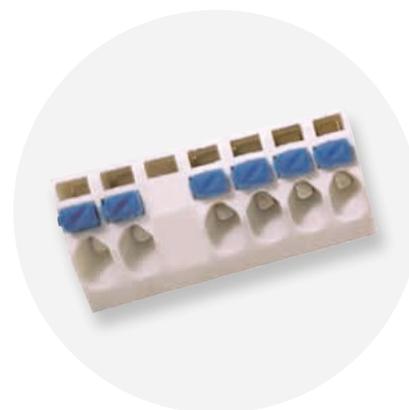
Integrated test points

Direct access to voltage-conducting parts with standard test plugs.



Compact geometry

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



Customer-specific versions

In differing materials and pin configurations.

wiecon® 8562 N



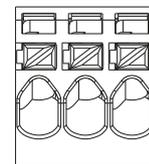
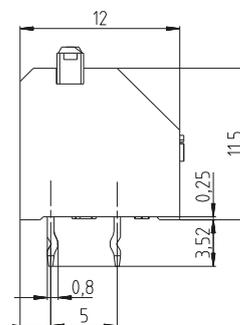
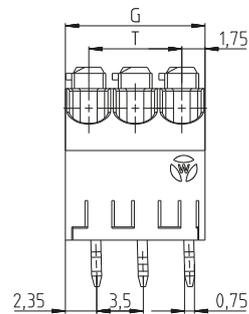
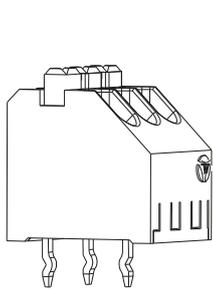
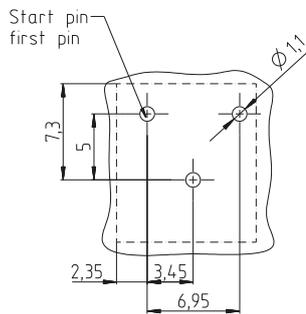
Pole	G (mm)	T (mm)	Part No.	PU
2	7.0	3.5	25.400.6253.0	1.000
3	10.5	7.0	25.400.6353.0	1.000
4	14.0	10.5	25.400.6453.0	1.000
5	17.5	14.0	25.400.6553.0	1.000
6	21.0	17.5	25.400.6653.0	1.000
7	24.5	21.0	25.400.6753.0	800
8	28.0	24.5	25.400.6853.0	800
9	31.5	28.0	25.400.6953.0	600

TECHNICAL DATA

Approval	VDE ¹⁾		UR	
Rated voltage	250 V	51 - 150 V	151 - 300 V	301 - 600 V
Rated current	4 A	15 A	10 A	5 A
Wire connection range				
fine stranded	0.5 - 1.5 mm ² / AWG 20 - 16			
solid	0.5 - 1.5 mm ² / AWG 20 - 16			
Wire strip length	8.5 mm			
Dimensions				
Pitch	3.5 mm			
Assembly height	11.5 mm			
Connection type	Push-In			
Color	Gray, white and others upon request			
Ambient temperature	+85 °C or +125 °C			

¹⁾ Rated voltage for overvoltage category III/pollution degree 3

DIMENSIONS





TEST AND SEE.

Order our sample board without charge and see for yourself the added value of our advantageous, directly pluggable 7060 SMD, 8562 TOP H and 8562 N printed circuit board terminals!

WIECON® 7060 SMD

25.400.3x10.y
x = no. of poles (2 - 4)
y = color

WIECON® 8562 TOP H

25.400.xx53.y
xx = no. of poles
(42 = 2 poles ... 52 = 12 poles)
y = color

WIECON® 8562 N

25.400.6x53.y
x = no. of poles (2 ... 9)
y = color

<p>M 1:1</p>	<p>M 1:1</p>	<p>M 1:1</p>
<p>Pitch 2.5 mm Number of poles 2 - 4 Cross section 0.32 - 0.75 mm² AWG 22 - 18 Rated current 9A Rated insulation 320V voltage 3/II 150V UL, CSA</p> <p>black y=1 black y=1 white y=2</p>	<p>Pitch 3.5 mm Number of poles 2 - 12 Cross section 0.5 - 1.5 mm² AWG 20 - 16 Rated current 4A Rated insulation 250V voltage 3/II 300V UL</p> <p>Pad: 2,1 mm Drill: 1,1 mm</p> <p>gray y=0 gray y=0 orange y=9</p>	<p>Pitch 3.5 mm Number of poles 2 - 9 Cross section 0.5 - 1.5 mm² AWG 20 - 16 Rated current 4A Rated insulation 250V voltage 3/II 600V UL</p> <p>Pad: 2,1 mm Drill: 1,1 mm</p> <p>gray y=0 gray y=0 gray y=0</p>

Sample board Part No.: 99.334.0000.0





INFO TO GO.



OUR WIELAND BROCHURE SERVICE

To make your workflow easier, we provide all of our product catalogs and industry brochures for you in the download area of our website.

<https://www.wieland-electric.com/en/download>

Further information and a product overview is available here:



WIECON® CATALOG

PCB terminals
and plug connectors
Art. No. 0550.1



WIECON® OVERVIEW

PCB terminals
and plug connectors
Art. No. 0580.1



WIECON® 8142 ZP

Compact rising cage terminals
for machines + plants.
Art. No. 0552.1



WIECON® RAST 5

Printed circuit board connectors
for applications in HVAC.
Art. No. 0570.1



WIELAND ON YOUTUBE
FIND OUT MORE ABOUT
OUR PRODUCTS



<https://www.youtube.com/user/WielandElectric>



TECHNICAL ADVICE

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Order easily and conveniently online,
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wieland

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