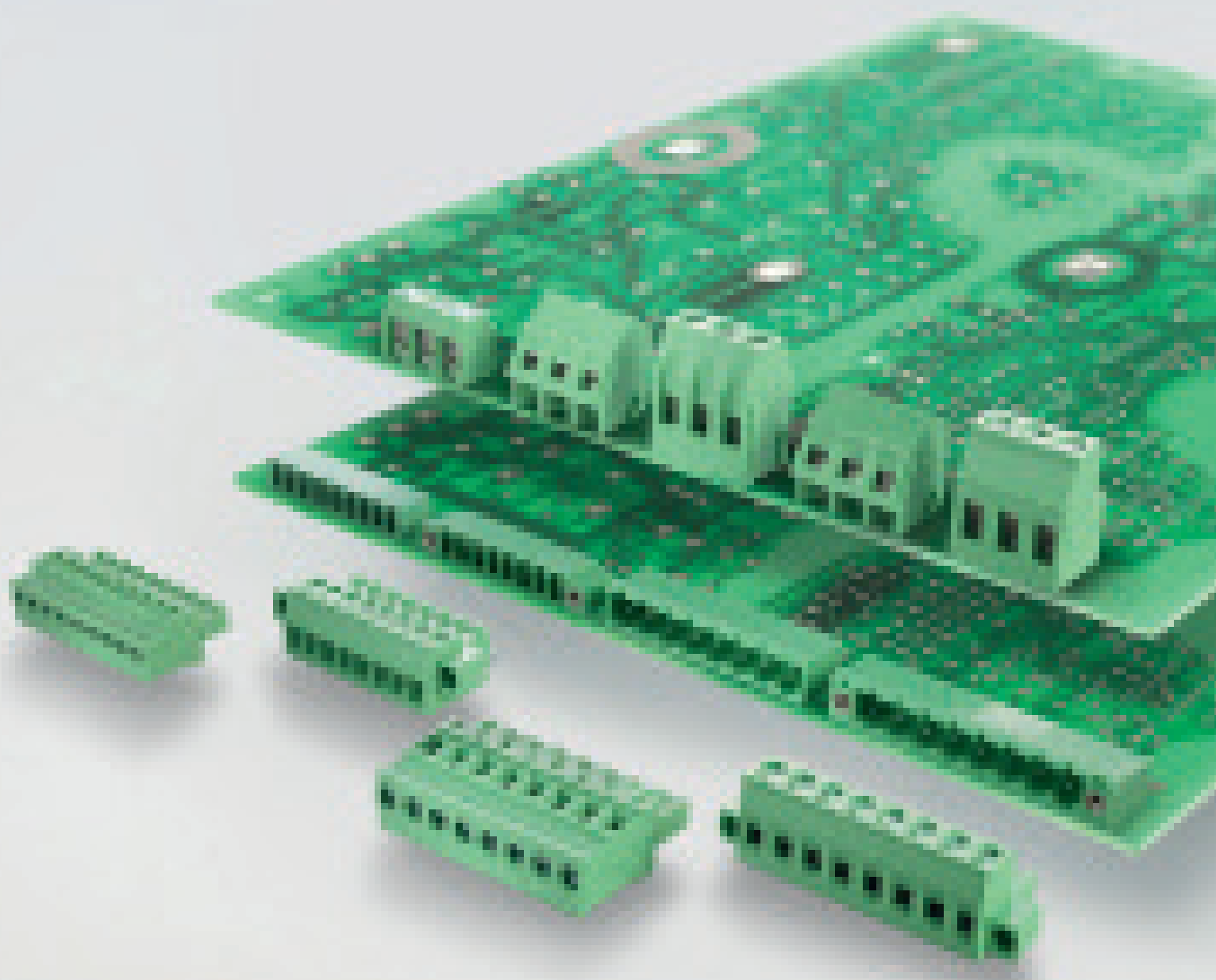


Product Linecard

## **OMNIMATE® Basic**

PCB terminals and connectors  
for building technology



**Weidmüller** 

# OMNIMATE® basic for building technology

## Safe and easy to use, approved worldwide

OMNIMATE® basic PCB terminals and connectors are specially designed to meet the requirements of building automation and infrastructure.

As a pioneer in connectivity, Weidmüller has been offering quality and reliability for connection solutions of all kinds for more than 60 years. This also applies to our sophisticated PCB connection technology. Numerous international certifications confirm the quality of our PCB terminals and connectors.



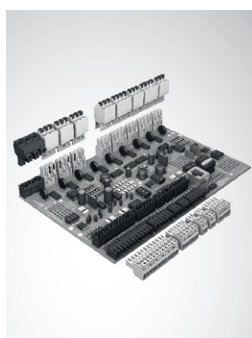
### The right PCB connection solution for core building automation and infrastructure applications



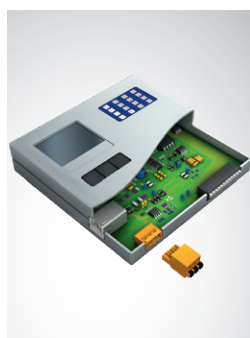
Control devices



Safety technology



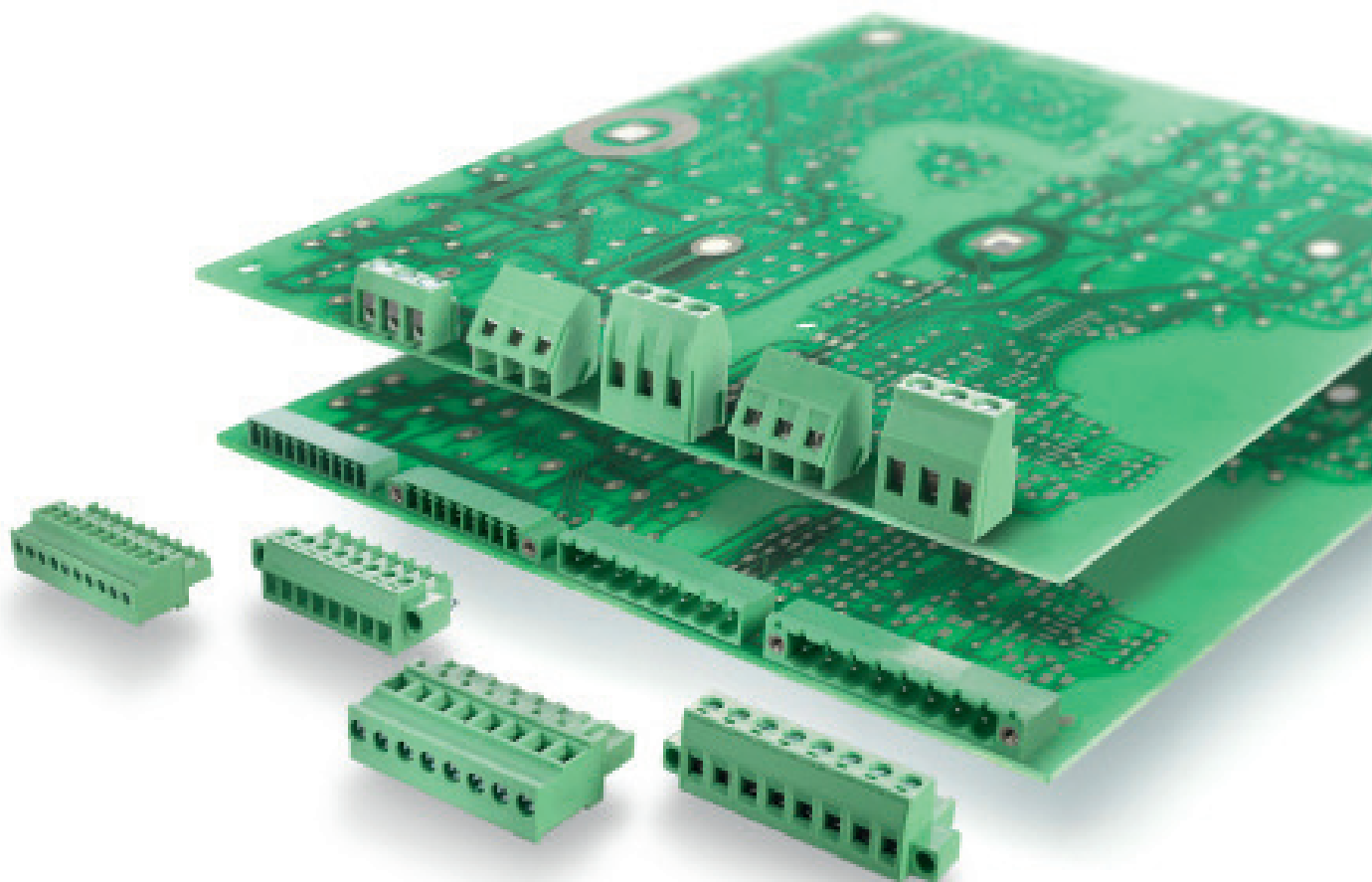
Building services management



Building monitoring



Lighting



- **High fire prevention level**

Insulation housing are made of UL 94 V0 material

- **Wide application-fit**

For wires up to 4 mm<sup>2</sup>

- **Good solderability**

The square solder pin is easy to insert into the PCB and is ideal for applying the solder.

- **Leadfree connection**

- **Good electrical characteristics**

Metal parts are made of high copper content alloys. This results in a low contact resistance with high quality surfaces and excellent corrosion protection

- **Global-fit**

All products approved acc.

UL  c  us and IEC

# PCB connectors

## Product Overview



		3.50 3.50 mm 0.1378"			3.81 3.81 mm 0.15"		
Pitch in mm Pin spacing in "							
Type		90°	180°	270°	90°	180°	270°
Connector header CH	WAVE Open						
	Closed						
	Flanged						
Plug connector screw CPS	Without flange						
	Screw flange						
max. V (IEC/UL) max. A (IEC/UL) Wire size (mm <sup>2</sup> /AWG) Available pole no.		320 V / 300 V 8 A / 8 A 0.2-1.5 / 30-16 02-20			320 V / 300 V 8 A / 8 A 0.2-1.5 / 30-16 02-20		

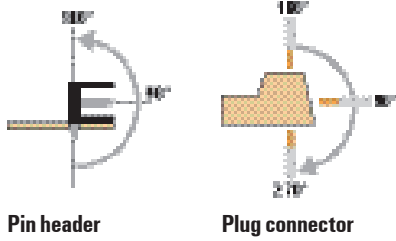
### Nomenclature:

family / pin spacing / pole no. / orientation

CH 3.50/04/90G (Connector Header)

CPS 3.50/04/180 (Connector Plug Screw)








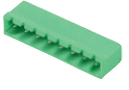










### Wire outlet directions



Pin header

Plug connector


  
**5.00 5.08**  
 5.00 mm / 5.08 mm  
 0.1969" / 0.20"

 90°	 90°	 180°	 270°
			
			
			
			
			
630 V / 300 V 15 A / 15 A 0.2-4.0 / 30-12 02-24			

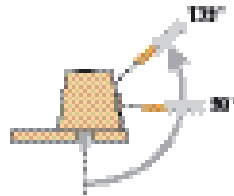
- Current load up to 15 A
- Voltage up to 630 V
- Cross section up to 4 mm<sup>2</sup>
- Pitches: 3.50 mm, 3.81 mm, 5.00 mm, 5.08 mm
- Wave soldering
- Tin plated
- Box packaging
- PA 66
- UL94 V-0












# PCB terminals

## Product Overview



### Wire outlet directions



		 <b>3.81</b> 3.81 mm 0.15"	 <b>5.00</b>	 <b>5.08</b> 5.00 mm / 5.08 mm 0.1969" / 0.20"
Pitch in mm Pin spacing in "				
Wire entry		 <b>90°</b>	 <b>90°</b>	 <b>135°</b>
<b>Terminal block</b>	<b>WAVE</b>  <b>TCS</b> AWG 26-16 0.2-1.5 mm (solid) 0.2-1.0 mm (flex with ferrule)			
	<b>TSS</b> AWG 30-12 0.2-2.5 mm (solid) 0.2-1.5 mm (flex with ferrule)			
	<b>TMS</b> AWG 30-12 0.2-2.5 mm (solid) 0.2-2.5 mm (flex with ferrule)			
	<b>TPS</b> AWG 30-12 0.2-4.0 mm (solid) 0.2-2.5 mm (flex with ferrule)			
	max. V (IEC/UL) max. A (IEC/UL) Available pole no.	320 V / 150 V 10 A / 10 A 2-15 solid part	630 V / 300 V 15 A / 15 A 2, 3 pole with dovetail	

- Current load up to 20 A
- Voltage up to 630 V
- Cross section up to 2.5 mm<sup>2</sup>
- Pitches: 3.81 mm, 5.00 mm, 5.08 mm
- Wave soldering
- Tin plated
- Box packaging
- PA 66
- UL94 V-0


### Nomenclature:

family / pin spacing / pole no. / orientation  
 TCS 3.81/04/90 (Terminal Compact Screw)

# OMNIMATE<sup>®</sup> basic

## Sales-Support

1



OMNIMATE<sup>®</sup> basic  
PCB terminals and connectors  
for building technology  
Product Linecard

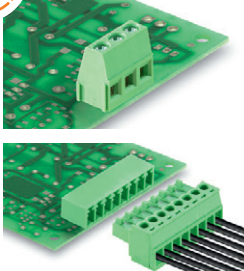
Weidmüller

### Product Information

Inform yourself quickly and comprehensively about the product range and technical data in our product documentation.

Product-catalogue & Product Linecard

2

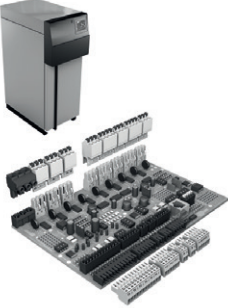


### Product Selection

We support you in the selection of suitable products, tailored to the different requirements of your application.

Demo-Boards & Sample-Boxes

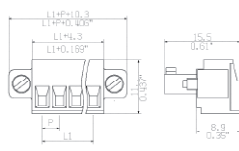
4



### Product Application

Beyond design-in and purchase, we support you with an all-round service for further queries and developments.

3

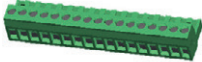


Technical drawing showing dimensions: L1+P=10.3, L1+P+D=25.4, L1=4.3, L1+D=15.7, P, D, 16.5, 6.9, 0.35, 16.5, 0.35

### Product Data

We provide you with the appropriate engineering material for your requirements.

Data-Sheets with Drawing



3D CAD Models

We cannot guarantee that there are no mistakes in the publications or software provided by us to the customer for the purpose of making orders. We try our best to quickly correct errors in our printed media.

# Weidmuller – Your partner in Industrial Connectivity

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.

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Personal support can  
be found on our website:  
[www.weidmueller.com/contact](http://www.weidmueller.com/contact)

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