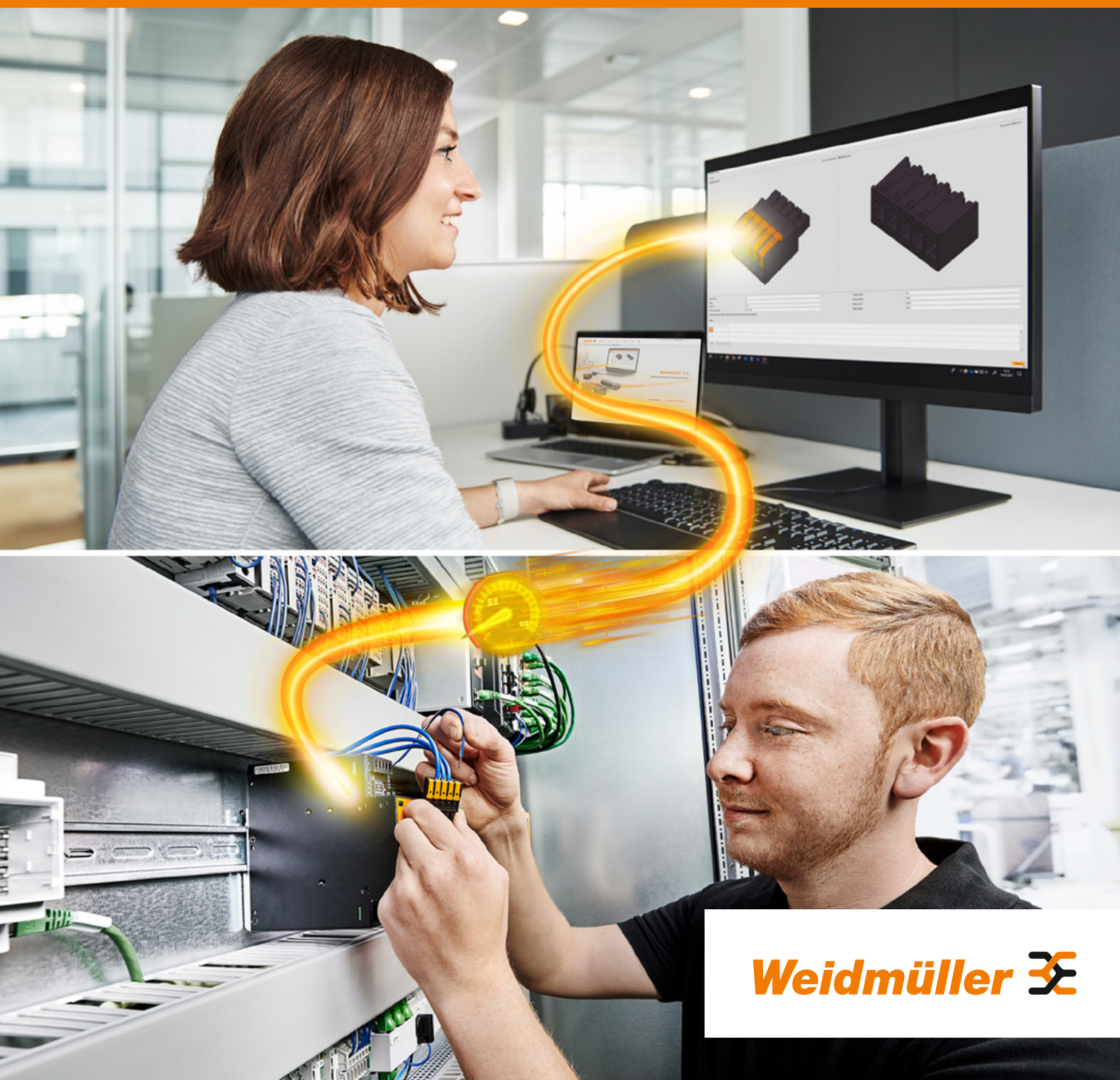


PCB connectors and PCB terminals

**OMNIMATE® 4.0**

Boost your business



**Weidmüller** 

# OMNIMATE® 4.0 – The Business Booster

## Next generation of device connectivity

Transform your device with OMNIMATE® 4.0 – the next generation solution for seamless connectivity! With the latest and fastest connection technology called SNAP IN, you experience lightning-fast wiring like never before. This cutting-edge technology will connect your devices in record time, giving you the speed and efficiency you need to power your processes forward. Thanks to its modular design, OMNIMATE® 4.0 offers flexible solutions for device connectivity, whether you need standard power, signal transmission or hybrid interfaces that combine power, signals and data in a single connector.

The best part: Our innovative product configurator enables you the power to customize your product exactly to your unique requirements. Choose the individual modules that you need, combine them as desired, and customize with symbols and colors to match your branding. Thanks to our efficient production process, your fully configured products will be available in just a few days. Say goodbye to long lead times!

Discover the advantages of the next generation of device connectivity with OMNIMATE® 4.0. Give it a try and see the difference for yourself.



### Flexible & Configurable

The modular connector design provides highest flexibility for your unique product needs



### Maximum wiring speed

Unique SNAP IN connection – Fast, safe and tool-free wiring



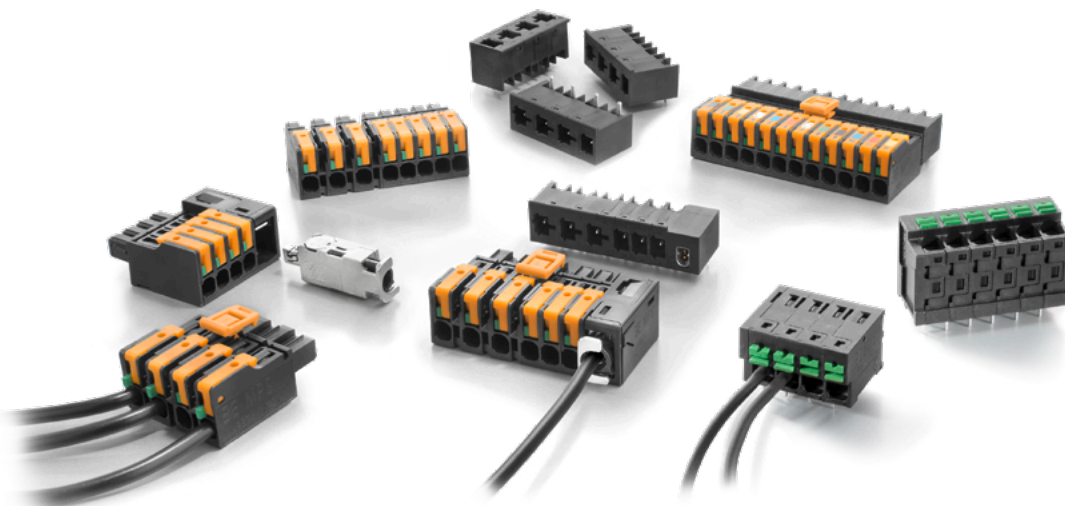
### Fastest Availability

All products are ready for dispatch within a few days – even individually configured



### Future-proof

Integrated functions like Single Pair Ethernet or smart connectors with related digital twin



# OMNIMATE® 4.0 – Individualization in Realtime

## Configure your product within seconds

Introducing easyConnect – your online platform for engineering services, configuration tools and software from Weidmüller. With easyConnect, you'll have access to the tools and services you need to streamline your engineering processes and take your business to the next level.

Our powerful configuration tool simplifies the design and configuration of OMNIMATE® 4.0 with an intuitive, user-friendly interface. Access comprehensive engineering data, including 3D models and PCB footprints, ensuring a seamless fit for your project. Quickly obtain offers for individual products, order free samples and purchase products with just a few clicks.

Our fast and reliable delivery options ensure that your products are dispatched within a few days. Sign up now and take your engineering projects to the next level!



### Selector

Select your product that meet your specific industry standards



### Configurator

Configure your product with individual combinations and markings of the modules



### Database

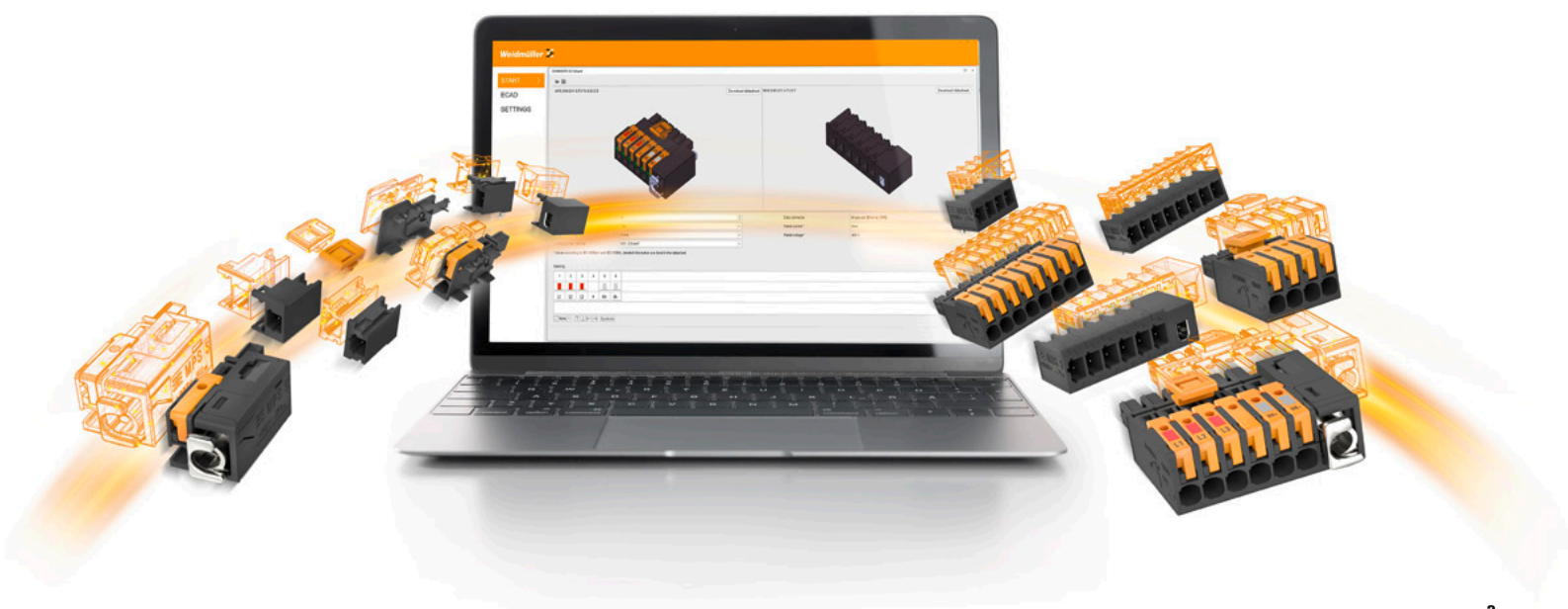
Get all engineering data including 3D models and PCB footprints



### Online Shop

Order free samples, purchase articles and request a quote for your individual product

**GO TO WEB CONFIGURATOR**





# 72h Sample Service – Free, fast and functional

## Free design-in samples

OMNIMATE® Sample Service from Weidmüller – the fastest and easiest way to find the perfect connection for your PCB and device designs. Say goodbye to endless searching and testing, and hello to free design-in samples, delivered right to your door within 72 hours.

Our intuitive web configurator and eShop streamline the ordering process, enabling you to quickly and easily request your design-in samples in just a few simple steps. With Weidmüller, you gain access to a diverse range of high-quality, reliable connections, ensuring the ideal choice for your project.

### How to order samples

Samples can be ordered directly in our online catalog or in the web configurator.



#### 1. Choose your product

Select your required product and click on 'Sample order' button.



#### 2. Check your request list

Click on the shopping cart icon at the top right to view your request list.



#### 3. Enter contact details

Enter your contact details to complete your free sample order.



#### 4. Done!

You'll receive an immediate confirmation mail and your free product sample within 72h.

# OMNIMATE® 4.0 – SNAP IN connection technology

## Simple. Fast. Safe. Ready-to-robot.

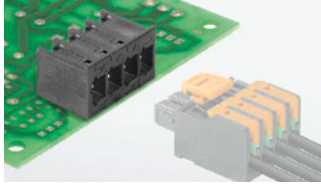
OMNIMATE® 4.0 enables the cutting-edge trend of One Cable Technology for PCB plug-in terminals and connectors, providing the perfect solution for all your power, signal and data transmission needs. With a single connector, you can achieve seamless connectivity like never before. Choose from a variety of predefined standard products or customize your own solution with our user-friendly web configurator.

To quickly access our standard products, use our webcode feature. Simply select your desired product, enter the hashtag with the five-digit code into the search engine on our website, and you will be directed to our online catalog. There, you will find all relevant information, data, and the option to order free samples of the products.



## OMNIMATE® 4.0 – SNAP IN Connection solutions

### PCB connectors pitch 5.00 mm

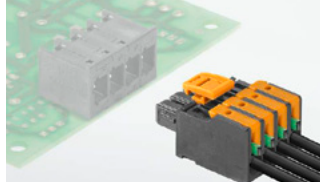


Webcode #11530

#### MHS 5

Male connector with 90°, 180° and 270° outlet direction for wave and reflow process.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 32 A
- UL: 300 V / 18.5 A



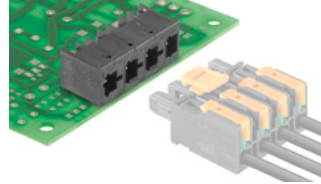
Webcode #11531

#### MPS 5

Female plug with 180° outlet direction, SNAP IN connection technology and optional self-locking top flange.

- SNAP IN connection technology
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 32 A / 0.344 mm<sup>2</sup>
- UL: 300 V / 18.5 A / AWG 20-12/7/9

### PCB connectors pitch 7.50 mm

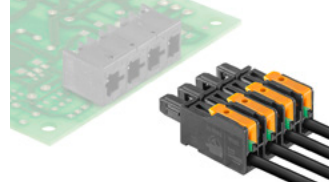


Webcode #11539

#### MHS 7S

Male connector with 90°, 180° and 270° outlet direction for wave and reflow process.

- Male connector
- Pitch: 7.50 mm
- Number of poles: 2-8
- IEC: 630 V / 32 A
- UL: 300 V / 18.5 A



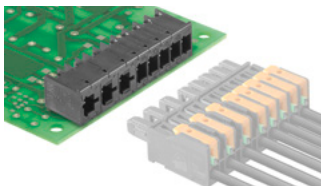
Webcode #11540

#### MPS 7S

Female plug with 180° outlet direction, SNAP IN connection technology and optional self-locking top flange.

- SNAP IN connection technology
- Pitch: 7.50 mm
- Number of poles: 2-8
- IEC: 1000 V / 32 A / 0.34 mm<sup>2</sup>
- UL: 600 V / 18.5 A / AWG 20-12/7/9

### PCB connectors pitch 7.50 mm + pitch 5.00 mm (Hybrid)

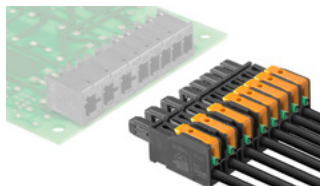


Webcode #11541

#### MHS 7S / .. 5

Hybrid male connector consisting of power and signal interfaces for wave and reflow processes.

- Male connector
- Pitch: 7.50 mm and 5.00 mm
- Number of poles: 2-11
- IEC: 630 V / 32 A
- UL: 300 V / 18.5 A



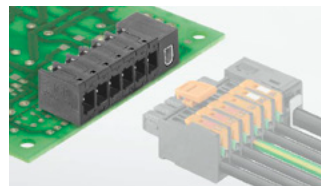
Webcode #11542

#### MPS 7S / .. 5

Hybrid female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- SNAP IN connection technology
- Pitch: 7.50 mm and 5.00 mm
- Number of poles: 2-11
- IEC: 1000 V / 32 A / 0.34 mm<sup>2</sup>
- UL: 600 V / 18.5 A / AWG 20-12/7/9

### PCB connectors pitch 5.00 mm + Single Pair Ethernet (Hybrid)

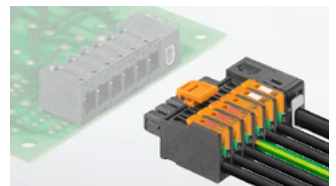


Webcode #11532

#### MHS 5 / .. D11

Hybrid male connector with integrated Single Pair Ethernet (SPE) data connection for wave and reflow processes.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-10
- IEC: 400 V / 32 A
- UL: 300 V / 18.5 A



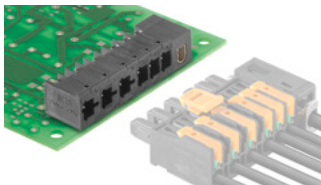
Webcode #11533

#### MPS 5 / .. D11

Hybrid female with SNAP IN connection technology and field attachable Single Pair Ethernet data connector.

- SNAP IN connection technology
- Pitch: 5.00 mm
- Number of poles: 2-10
- IEC: 400 V / 32 A / 0.34 mm<sup>2</sup>
- UL: 300 V / 18.5 A / AWG 20-12/7/9

### PCB connectors pitch 7.50 mm + pitch 5.00 mm + Single Pair Ethernet (Hybrid)

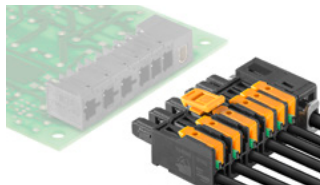


Webcode #11543

#### MHS 7S / .. 5 / .. D11

Hybrid male connector consisting of power, signal and data interfaces for wave and reflow processes.

- Male connector
- Pitch: 7.50 mm and 5.00 mm
- Number of poles: 2-9
- IEC: 630 V / 32 A
- UL: 300 V / 18.5 A



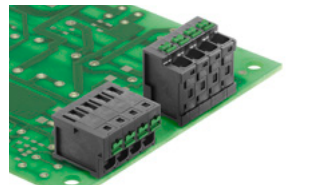
Webcode #11544

#### MPS 7S / .. 5 / .. D11

Hybrid female plug with SNAP IN connection technology and field-terminable Single Pair Ethernet connector.

- SNAP IN connection technology
- Pitch: 7.50 mm and 5.00 mm
- Number of poles: 2-9
- IEC: 1000 V / 32 A / 0.34 mm<sup>2</sup>
- UL: 600 V / 18.5 A / AWG 20-12/7/9

### PCB terminals pitch 5.00 mm



Webcode #11571

#### MTS 5

PCB terminal with 90° and 180° outlet direction and SNAP IN connection technology.

- SNAP IN connection technology
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 32 A / 0.344 mm<sup>2</sup>
- UL: 300 V / 18.5 A / AWG 20-12/7/9

# OMNIMATE® 4.0 with SNAP IN connection technology

## Ready-to-Robot!

In today's fast-paced business environment, time is more precious than ever. That's why at Weidmüller, we're committed to helping you accelerate your processes and get the job done faster than ever before.

With our innovative SNAP IN technology, installation and maintenance are as quick as snapping your fingers. This new connection technology is incredibly user-friendly: Simply insert the stripped wire into the open connection points, and the mechanism automatically snaps into place with a click. It's that easy! Removing the wire is just as fast — activate the lever at the PCB connectors or press the pusher at the PCB terminals to open the connection point and take out the wire. SNAP IN is a revolutionary, tool-free solution that can also be done by a robot. Experience the future of connectivity with Weidmüller's SNAP IN technology.



**1. Insert wire**

Simply insert the stripped wire into the open contact point.



**2. Automatic connection**

The contact point automatically closes. An audible click and a visible indicator confirm the secure connection.



**3. Pull lever for unwiring**

To disconnect the wire, simply pull the lever of the PCB connector or press the pusher of the PCB terminal to open the contact point. The mechanism automatically resets to the initial position, making it instantly ready for the next connection.



### Simple

Material-saving wiring without tools and time-consuming crimping of wire-end ferrules.



### Fast

Thanks to the preloaded spring, SNAP IN can be connected as quickly as a snap of the fingers.



### Safe

Security you can hear! A noticeable "click" noise signals a secure connection.



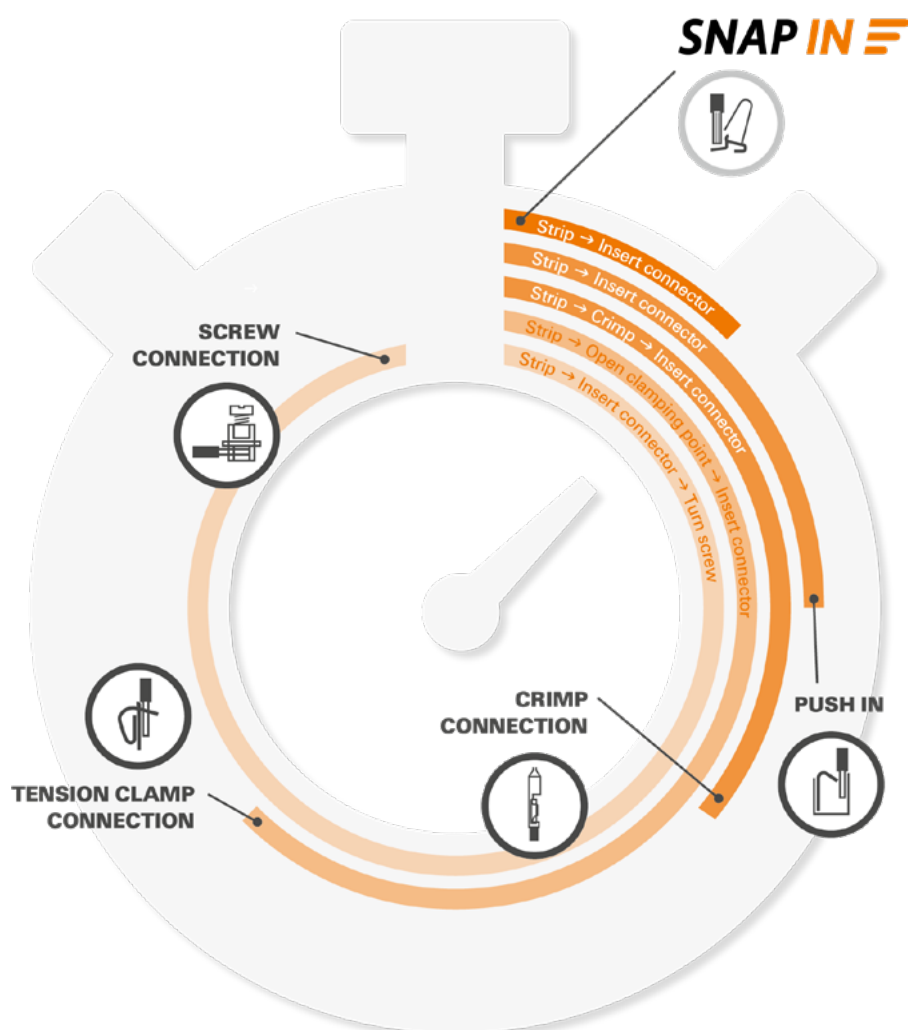
### Ready-to-Robot

With the innovative SNAP IN connection, fully automated wiring processes can become a reality.

## Connection systems in comparison

Discover your potential savings with OMNIMATE® 4.0 SNAP IN compared to traditional PCB connectors in just a few clicks with our TCO calculator on our OMNIMATE® 4.0 website

## TCO CALCULATOR





## **Weidmüller – Your partner in Smart 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 Smart Industrial Connectivity.

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.

All orders are based on our general terms of delivery, which can be reviewed on the websites of our group companies where you place your order. On demand we can also send the general terms of delivery to you.



[www.weidmueller.com/omnimate40](http://www.weidmueller.com/omnimate40)

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Made in Germany

09/2024/SMM