

**Expertise for your requirements**  
Individual assembly service for Klippon®



**Klippon®  
Services**

**Weidmüller** 



# Content

**4** **It's Klippon®**  
Bringing excellence together

**6** **Klippon® Connect**  
Offering added value at all stages

**8** **Klippon® Protect**  
Safety and protection for  
connection solutions

**10** **Klippon® Protect**  
Proven solutions for your application

**12** **Klippon® Services – expertise for  
your requirements**  
Our service connects worldwide

**14** **Efficient digital engineering**  
Weidmüller Configurator (WMC)  
integrates CAE access and direct offer

**16** **Klippon® Services – focus on your  
core business**  
“Fast Delivery Service” enables short-  
term delivery of assembled products

**18** **With Klippon® Services you benefit  
from optimal support**  
“Engineer to Order” – applications,  
based on your design

**20** **Klippon® Services – plan, install,  
operate**  
Individual projects need  
“Customised Solutions”

**22** **Wherever you operate  
internationally**  
We are connected all over the world

# It's Klippon®

## Bringing excellence together

For more than 50 years, Klippon® has been synonymous with innovation, competence, and quality of products and services in the automation technology. Klippon® Services is the most recent extension to the well known, proven Klippon® Connect and Klippon® Protect products. Klippon® Services provides innovative software and assembly services. With Klippon® we are your reliable partner throughout the complete value creation process. Create your competitive advantage with Klippon®.

### **Klippon® Connect**

As your partner in Industrial Connectivity, we consider panel building as an integrated process – from the planning and installation to operation. One example is Klippon® Connect with its broad offering of tailored application products, universal terminal blocks, and process support services.

### **Klippon® Protect**

Enclosures fulfil an important safety function, even under the toughest of conditions. They must meet the strict requirements of various industries and, at the same time, satisfy predefined international standards. Our Klippon® Protect enclosure system meets all required approvals for use in industrial and explosive risk zones. It is flexible enough for optimal adaptation to your requirements.

### **Klippon® Services**

Klippon® Services combine consultancy, planning, application expertise, and industry know-how for a solution, tailored to your needs. We provide exclusively produced devices. With our support, your plant will easily fulfil the essential standards of safety, quality, and performance against the international competition. We guarantee quick, quality-focused production and order-based product availability. We deliver even individually assembled products anywhere within a short time.



Klippon  
Services





Klippon®  
Connect

Klippon® Connect supports you with a complete range of standard solutions and application specific products including all conventional connection technologies and functions.



Klippon®  
Protect

With Klippon® Protect, you can choose from a wide range of universal and application-specific enclosures to meet individual requirements.



on®  
Services

With Klippon® Services you benefit from our one-stop production services. Thereby you will reduce costs, increase efficiency, and simplify quality management.

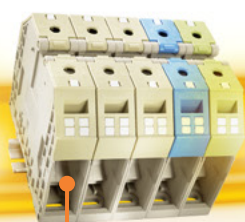
### Your special advantages

The flexible Klippon® Protect enclosure system is the perfect addition to our Klippon® Connect range of terminal blocks. You can rely on our mounted enclosures to offer a custom fit to your requirements and provide excellent protection. Klippon® Services completes our products range with optimal support for your processes.

# Klippon® Connect

## Offering added value at all stages

Whether it is simple handling, more space in the panel or time saving on installation: Klippon® Connect offers numerous benefits for your process. In line with our range of terminal blocks, we can offer you an application range and a universal range. The particular requirements determine which is the most suitable. Often, standardisation enables the right solution to be found with our sophisticated, function-oriented universal terminal range Klippon® Connect. It provides you with practical product features. For recurring application fields, such as control voltage distribution or signal wiring, we offer you the ideal solutions with our application range. Thanks to the high level of application focus, these solutions really do help increase productivity, efficiency and safety.



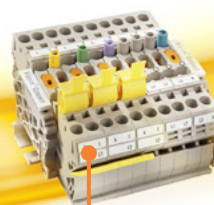
**Power feed-in**



**Power distribution**



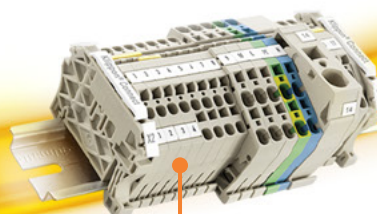
**Control voltage distribution**



**Current and voltage transformer wiring**



**Spring connection with PUSH IN technology**



**Spring connection with tension clamp technology**

**Building installation wiring**

**Shielding and earthing**

**DCS marshalling**

**Signal wiring**

With our application program, you can rely on high fitting accuracy of the products and, thus, benefit from distinct advantages, such as space and time savings.

**The application range -**  
application-specific  
and tailor-made

**The universal range -**  
flexible and versatile  
usage

**Screw connection with  
stud technology**

**Screw connection with  
clamping yoke technology**

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

### **Your special advantages**

With Klippon® Connect, we offer a comprehensive range of terminal blocks for high levels of productivity in your applications. With Klippon® Protect and Klippon® Services, you benefit additionally from our flexible one-stop solution.

# Klippon® Protect

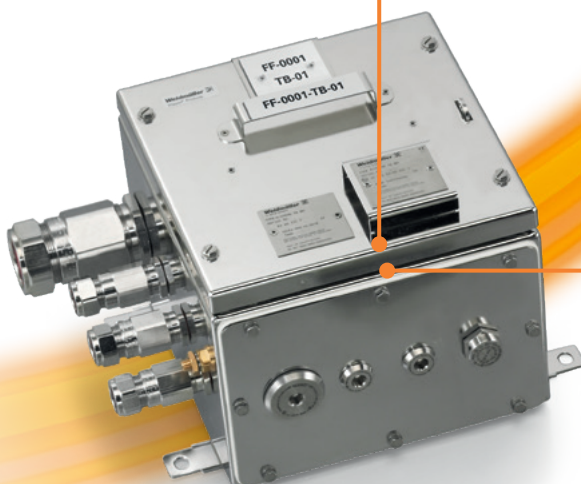
## Safety and protection for connection solutions

We designed the Klippon® Protect enclosure ranges to satisfy the extraordinary protection requirements for field applications. They provide outstanding high-performance features that satisfy the toughest demands within every industry and every application. The universal enclosures Klippon® Protect are made of stainless steel, aluminium, or plastic. Either one guarantees excellent protection for your assembly. With these robust enclosures, you can implement various field applications to suit your requirements. The matching system accessories enable simple integration, expansion, and customisation.



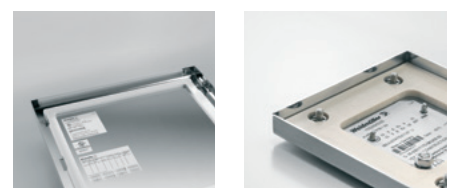
### Reliable protection

The Klippon® TB has an integrated duct keeping contamination and moisture from penetrating when the enclosure is open. The outer earthing bolt is equipped with an IP67-certified seal mechanism and is protected against accidental rotation.

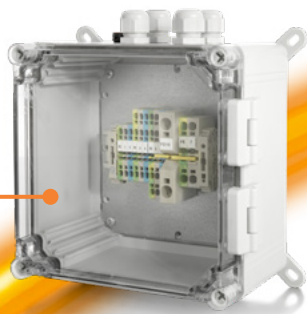


### Temperature and sealing characteristics

All Klippon® TB and Klippon® STB enclosures are equipped with a silicone seal. It protects applications in extreme temperature conditions.

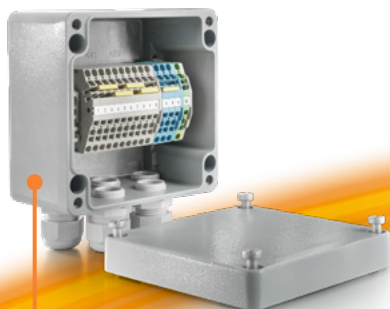






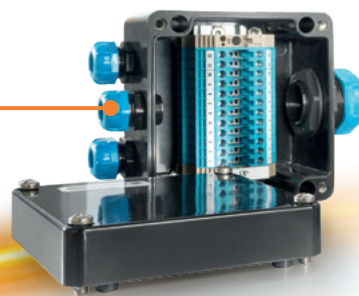
#### Versatile lid design

The TBF, FPC and MPC enclosures are available with either transparent or grey lids.



#### High IP protection

The Klippon® K aluminium enclosures are equipped with fully closed seals without adhesive points. The seal ensures an IP protection level from IP66 and up to IP68 – subject to use.



#### Closed moulded gaskets

The Klippon® POK polyester enclosures gaskets are made of either silicone or chloroprene. The robust and secure sealing enhances ingress protection and increases the performance of each enclosure.



#### Cable Glands and Cable Entry Systems: perfectly fulfilling your application needs

We offer a variety of add-on components such as cable glands for a multitude of purposes and applications in addition to our extensive Klippon® Protect range. The supplementary cable entry system Cabtite allows connecting a pre-assembled cable to an installation enclosure or cabinet.



#### Your special advantages

Klippon® Protect products are designed to satisfy protection requirements in the field. Beyond our self-set high quality criteria, they meet international quality and safety standards. The matching system accessories enable simple integration, expansion, and customisation.



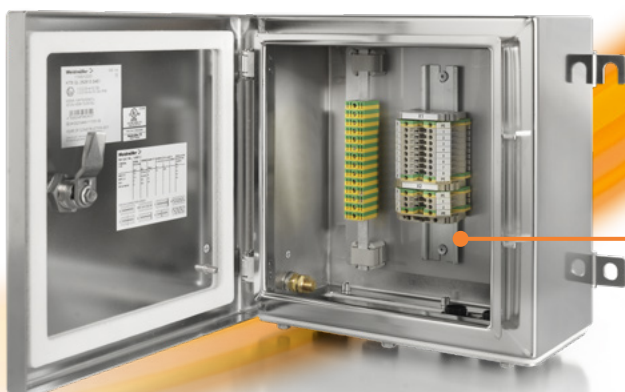
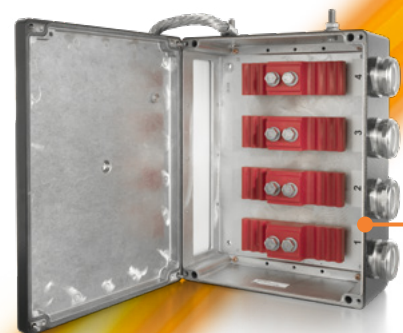
# Klippon® Protect

## Proven solutions for your application

The Klippon® Protect solutions offer a wide range of standard industrial applications and explosive environments applications. The following overview of our Klippon® Protect range will give you an insight into its possibilities, including finding an individual solution.

### Application range

Our Klippon® Protect application range provides solutions for monitoring and safety, measurement and control technology, and power distribution. These application solutions are based on high quality and comprehensive approvals for explosive risk zones.



### Power distribution boxes and interfaces

In a complex environment, the efficient and reliable distribution of electrical energy requires optimally designed interface solutions that respond to the special features of the application. Our high-current terminal solutions offer an excellent interplay with our certified terminals with weather-resistant Klippon® Protect enclosures.

### Monitoring and Safety

Through the assembly of units, we provide a myriad of monitoring and safety solutions; including proximeters for vibration measurement, temperature transmitters for monitoring of operating temperature, and eddy current sensors for non-contact distance measurement chains.



### Measurement and Control systems

Tailored to your respective requirements, the Klippon® Control Station combines control devices and status displays with various electronic components. You receive a turnkey plug-and-play solution – including all required approvals.



### Harmonisation – the key to market success

Klippon® Protect is individually tailored to meet the changing and extremely harsh environments of the different industries. Certified to international standards, they also meet the latest ATEX and IECEx regulations for potentially explosive atmospheres in process industries. They have certifications for use in various standard industrial applications, such as automation, railway, transportation, and energy.

### Your special advantages

You can obtain enclosure solutions such as terminal boxes, command and signalling devices, and electronic boxes from a single source. Our enclosure solutions maintain a consistent enclosure design. They provide maximal safety and reliable functionality but require low follow-up costs for maintenance, replacement, and storage.

# Klippon® Services – expertise for your requirements

## Our service connects worldwide

Planning, engineering, and production processes have to be completed with ever greater speed, precision, and efficiency. Such an increase in efficiency needs innovative tools and processes that optimally support the entire process of product creation and assembly.

With Klippon® Services, we offer a comprehensive, digitalised support for planning and developing, offering and ordering, and assembly and delivery of your distinct product.

By bringing together the entire value chain – backed by efficient software tools, extraordinary expertise, and a technologically leading production – we are answering your requirements concerning a future-orientated, ready-to-install assembly.



**An order will dispatch after just four days from Germany when a certain service level is selected. Order quantities start at one.**



**Configuration and ordering are simple with the Weidmüller Configurator**  
**[www.weidmueller.de/wmc](http://www.weidmueller.de/wmc)**

# Klippon® Services



## Fast Delivery Service

Obtain offers 24/7 and within minutes, including directly orderable article numbers. The Weidmüller Configurator (WMC) for planning and configuration is key for consistent processes.



## Engineer to Order

We offer highly qualified engineering service for standard or modified products.



## Customised Solutions

Our extensive customer consulting, powerful project management, and flexible production enable individual, customised solutions.

## Your special advantages

One-stop configuring, ordering, and delivery of the assembled product: With Klippon® Services you benefit from greater flexibility in your project business. Our services span from reliable planning and professional engineering to manufacturing in perfect quality.

## Efficient digital engineering

### Weidmüller Configurator (WMC) integrates CAE access and direct offer

#### The choice is yours

Within Klippon® Services the WMC supports you step-by-step as you select and configure your assembled terminal strips and an extensive range of enclosures, including accessories and further Weidmüller products. You decide whether you want to carry out the complete configuration in WMC or whether you want to import data sets from your CAE system and simply transfer them back again after making final adjustments in the WMC. Whichever way you decide to go, you will benefit from centralised documentation that is always up to date, you will avoid transmission errors and you will no longer have to share your sensitive data with a third party. Using STEP, the universal 3D CAD exchange format, you can now also export your WMC solution directly into your CAE system, ensuring complete data consistency in all your systems.

## Three reasons to start using the Weidmüller Configurator now:

#### 1. Proven configuration designs in real 3D

Digital product information is based on the classification standard eCI@ss advanced. An integrated plausibility and collision control with full digital documentation ensure that your configuration is 100 % reliable.

#### 2. Seamless CAE integration

Integrated interfaces facilitate the simple import and export of product data between the WMC and all commonly-used engineering tools, such as Zuken E³ or EPLAN Electric P8.

#### 3. Interfaces for automated manufacturing

The WMC provides all necessary digital information for a full automation, such as subsequent assembly, marking with M-Print® PRO, and wiring. This is the key for the fast delivery service.

#### Your special advantages

Configuration is simple, safe, and convenient because of user-friendly operation, distinct design, and integration in your engineering workflows from planning with CAE to documentation.



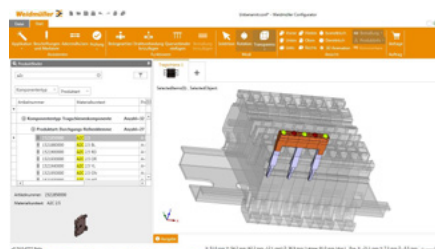
**Configuration and ordering are simple  
with the Weidmüller Configurator**  
[www.weidmueller.de/wmc](http://www.weidmueller.de/wmc)





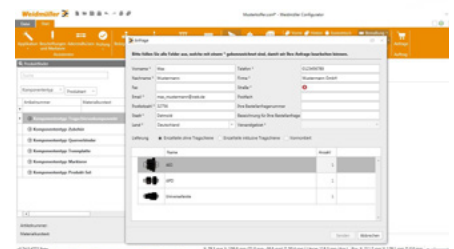
#### Full engineering support

The product data can be used in engineering systems such as EPLAN Electric P8 or Zuken E³.series. 3D models are available for panel set-up.



#### Helpful wizard system

The intelligent wizard function documents every step in which a component is assembled and only allows permissible configurations. Mistakes are corrected automatically.



#### Integrated request function

The selected components can be requested directly – as individual components, pre-installed on a top-hat rail, or as an assembled enclosure.

# Klippon® Services – focus on your core business

## “Fast Delivery Service” enables short-term delivery of assembled products

Today you are confronted with tough challenges in mechanical and plant engineering as well as in control cabinet production. On the one hand, the production of your products is becoming increasingly made to order/custombuilt and a lot more complex. On the other hand, you have to deal with high price pressures, tight deadlines and short-term change requests. In addition, many products are requested in small quantities.

To meet these growing demands, you need ever more efficient planning and manufacturing processes - and you need to be able to rely on 100% fast and reliable delivery. With our Fast Delivery Service, we offer you both. The integrated concept simplifies your planning, accelerates your manufacturing processes and guarantees the delivery of individually assembled and ready-toinstall terminal strips or enclosures within the shortest possible time. In this way, you reduce your costs, increase your flexibility and stay one step ahead of your competitors.



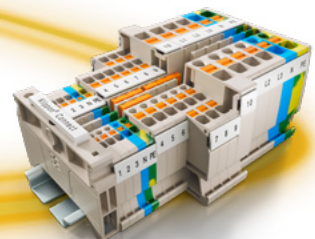
### Klippon® Connect und Klippon® Protect

Assembled enclosures with terminal strip, add-on components and optional Ex approval.



### Klippon® Protect

Individual empty enclosures with holes, threads or cut-outs according to your specifications – optionally unassembled, equipped or with add-on parts.



### WMC – digital engineering

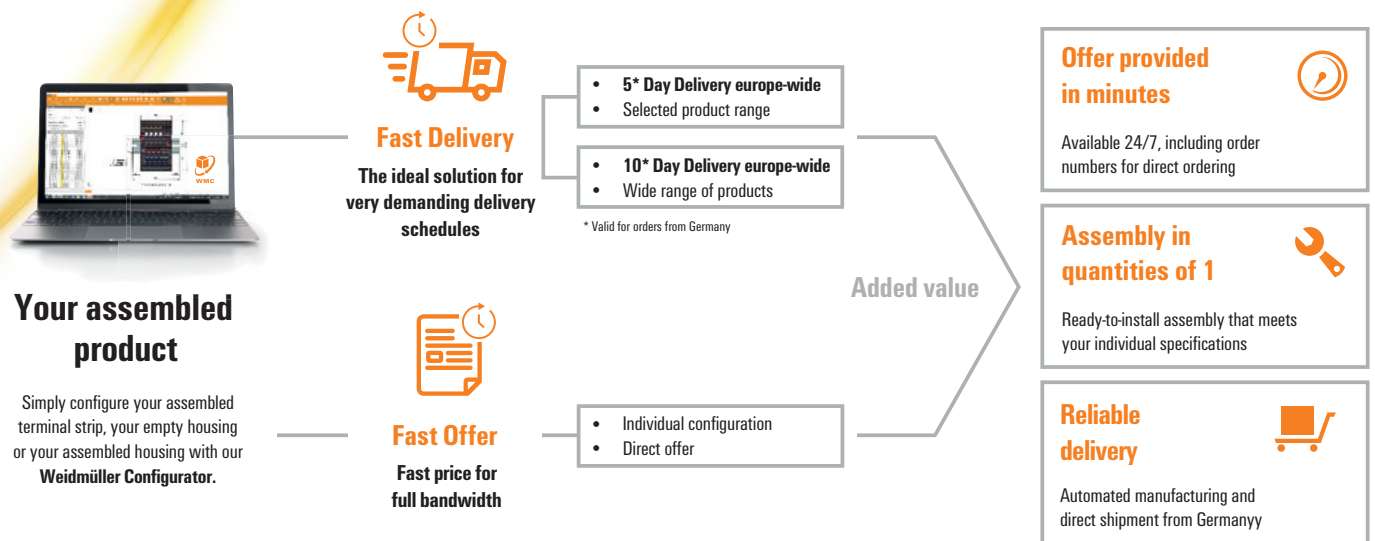
Our Weidmüller Configurator (WMC) gives you access to the “CFast Delivery Service” service. You can import directly your CAE data.

### Klippon® Connect

Ready-to-install assembled terminal strips including electronic components - individually manufactured according to your specifications.

# Determine your own delivery time thanks to Fast Delivery Service

## We offer the choice between 3 service levels



## Your advantages at a glance with our Fast Delivery Service



### Reduce your costs

Your plants are becoming more and more specific and complex. Therefore, you have to stock many required components in your warehouse. With Fast Delivery, you receive complete assembled products – and can significantly minimise your purchasing and storage costs.



### Increase your flexibility

More and more often you have to manufacture small quantities of plants and be prepared for shortterm changes. With Fast Delivery, you get individual terminal strips and enclosures from batch size 1 – and you receive them ready for installation. This increases your flexibility.



### Meet your delivery commitments

You must complete and deliver your individual plants within tight time frames. Otherwise, your customers face high costs due to delays and production downtimes. With Fast Delivery, you can speed up all your processes and reliably meet your delivery commitments.



# With Klippon® Services you benefit from optimal support

## “Engineer to Order” – applications, based on your design

In a globally-orientated world, automation technology functions are becoming more complex by facing ambitious goals toward energy efficiency and smart production. We are your reliable partner for the best connections in Industrial Connectivity with our standard or customised products.



### Planning

You can rely on the support of our worldwide network of industrial managers, who know the challenges you face and who can assist with your particular applications.



### Engineering

After receiving your requirements, our experts analyse together with you the individual application and start the development process.



### Worldwide engineering network

Within our global engineering network, we are combining our expertise with your requirements – worldwide. This expertise allows us to assist you with advice and planning support toward resolving together the everyday challenges of your applications.

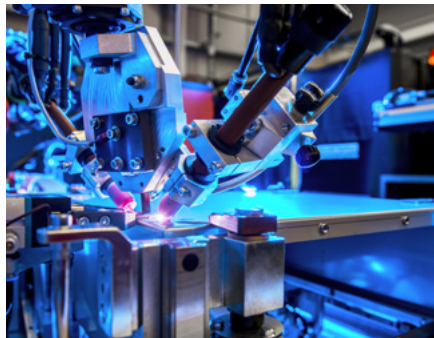


## Manufacturing your product at the highest level

Our engineering and manufacturing expertise influences decisions in all areas of modern connection technology. It therefore plays an integral part of every solution. A variety of customised configurations can be constructed and produced at our worldwide assembly facilities according to individual requirements.



Continuous data management enables automated production and makes Industry 4.0 tangible.



Automated processes – here shown for our Klippon® TB enclosure range – ensures a reliable and consistent production process.



Whether you need modified products, pre-assembled terminal rails or complete devices for individual applications: we produce the solutions developed for your application quickly and flexibly.



### Your special advantages

With “Engineer to Order” you get a tailored solution, engineered in our global network, assembled with Weidmüller standard components, and fitted to your specific application. All this based on maximum process and manufacturing reliability.



# Klippon® Services – plan, install, operate

## Individual projects need “Customised Solutions”

Our drive is your efficiency. Therefore we accompany you in all phases of your individual project and continuously develop our Klippon® Services product range. Throughout the entire duration of the project, professional project management is at your side so that you know that your products are in good hands up to delivery and beyond.

The result are tailor-made products that are precisely tailored to the specific requirements of your project.



### Designing and Prototyping

Engineers create design studies and prototypes together with our experienced designers.



### Consulting

Our application experts advise you on the development of your individual project solution.



### Planning

A flexible, automatised production process ensures high quality products, whether standard or customised.



### Operation

Count on our solution-orientated after sales service combined with a complete traceability of the assembled products.



### Installation

Reduce your single part orders and stock while we focus on your final product.



### Assembly

We combine excellent products for your individual solution. Bringing added value for you and your customers.

**You demand perfection  
We take care of every detail**

In the face of the international competition, you demand that all your equipment meets high safety, quality, and performance standards. Our products and services will support you to achieve these goals. After over 50 years of experience, we can determine the ideal combination of electrotechnical components which best suit your plant. We take into account your plant's specific conditions, including the local standards at its operation site.



Our laboratory assures the high quality and functionality of products.



Right from the start, we check exactly which components, materials, and systems are suitable for your application.



With our state-of-the-art processing technology, we ensure the highest quality during production and assembly.



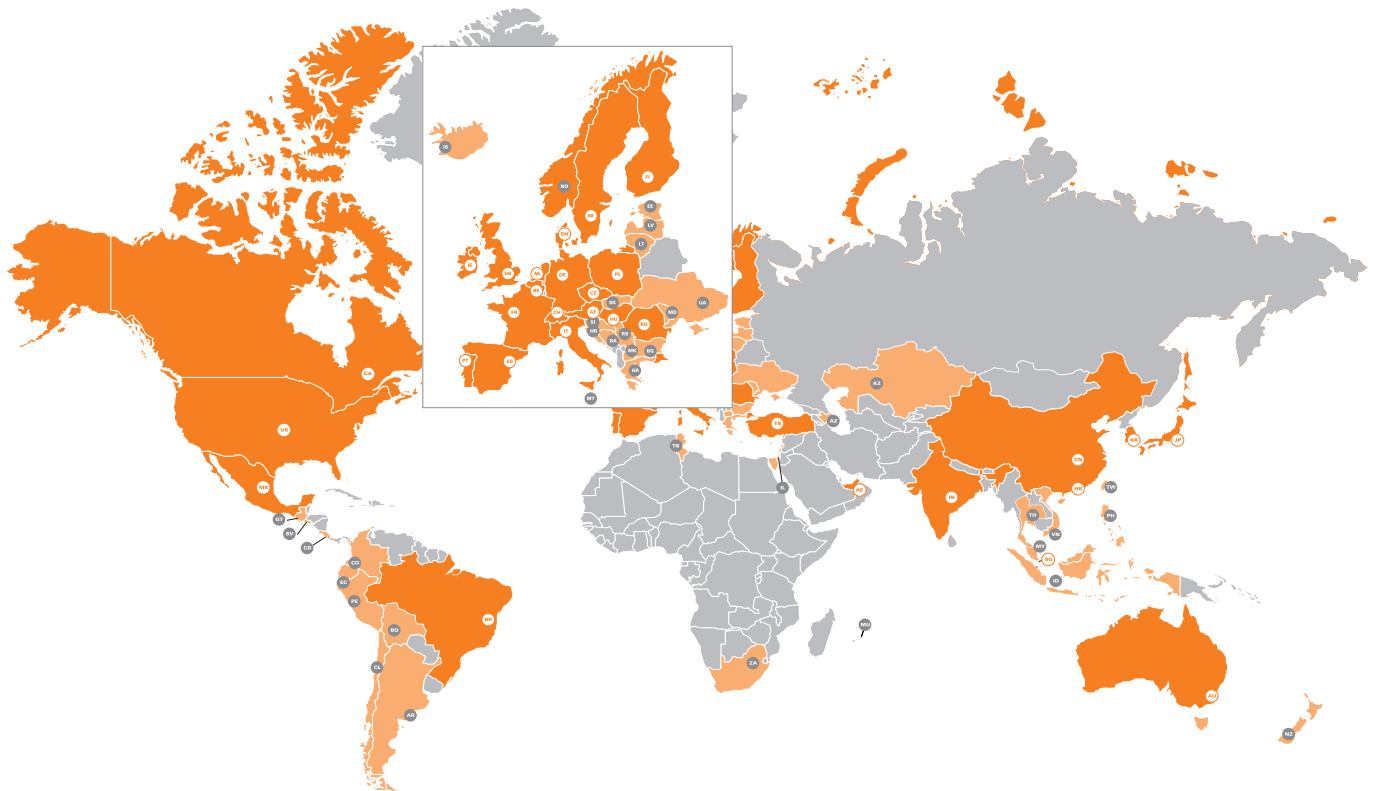
We guarantee fast, quality-orientated production and order-ready product availability.

**Your special advantages**

We support you to advance new ideas that provide real value for your plant operation, anywhere in the world. The results are products that exactly match the specific requirements of your project. That's our definition of service.

## Wherever you operate internationally We are connected all over the world

We are an international company with a network of development, production, and service sites with distribution companies and agents in more than 80 countries.



## Serving all industries

Each industry has specific requirements for product technology and assembly. Our industrial managers and application experts will assist with your requirements. In any area – including process industry, machinery, energy, transportation, device manufacturer, and building infrastructure – specialists in our global network know what matters.

### Transportation



### Machinery



### Energy



### Building Infrastructure



### Process



### Device Manufacturer



## Weidmüller – 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.

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.

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
32758 Detmold, Germany  
T +49 5231 14-0  
F +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

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

Made in Germany



Order number: 2722520000/11/2019/SMB