

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.

Economical solutions for decentralised automation tasks
Combine functional units with unparalleled ease
Let's connect.

FieldPower®
Your modular system for plant automation

Cost-effective wiring

- Direct connection of uncut power lines
- Solutions for power distribution with and without plug-in connectors
- Innovative sealing system for the use of pre-assembled cables

Fast installation of individual functions

- Tool-free installation of assembled and unassembled terminal rails
- IP20 components used in any combination
- Integration of electronic circuit boards possible
- Installation of customer-specific power electronics

Flexible enclosure solutions

- Combinable modules in various sizes
- Selection of black and transparent lids
- Cooling lid for power electronics
- Individual modification with operating and signaling elements

Comprehensive range of services

- Engineering support
- Individual terminal rail assembly
- Pre-assembled wiring solutions
- Complete assembly of the functional modules

Cabling Solutions

IP20 to IP65

FieldPower®

FieldPower®

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Made in Germany

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Respond to new challenges flexibly

Carry over the versatility of IP20 to your IP65 environment

The digital transformation offers great potential for the machinery and plant engineering sector, promising to make it more service-focused, flexible and efficient than ever. To respond to changing market conditions and customer requirements, industry players need futureproof, modular plant designs. And to implement those designs, they need decentralised, adaptable solutions that cover a wide range of functions. Ideally, it should be possible to expand existing systems in the same way, without costly, time-consuming redevelopment.

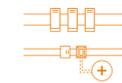
The solution is to make well-established control cabinet functions such as feed-in, switching, protection and monitoring fit for use in the field. Weidmüller's FieldPower® system helps you plan, install and operate decentralised plant and automation designs. Our modular system is the ultimate economical solution to virtually any decentralisation task, with flexible enclosure variants, cost-effective wiring and a host of different functions.

The FieldPower® advantage at a glance



Economical

The modular carry over parts principle offers a wide range of combination options and makes it possible to transition from IP20 to IP65 cost-effectively.



Function-based

Network your automation and digitalisation in the field with decentralised remote I/O systems that let you expand functionality as and when you need it.



Equipped for the future

Take advantage of a comprehensive, ever-expanding product range that meets all relevant safety standards.

Always suitable
Combine different enclosure shapes and sizes based on your needs, such as FieldPower® enclosure covers made from transparent plastic or heat-dissipating aluminium.

Perfect wiring
Our innovative sealing system is designed so that you can integrate communication links with ease, for example using pre-assembled M12 plug-in connectors.

Unconditional functionality
The FieldPower® system allows you to integrate versatile IP20 components like u-remote, PROtop and maxGUARD in decentralised plant designs.

Our service
Weidmüller delivers custom FieldPower® solutions quickly and economically. Want to know more?



Scan the QR-Code now and visit www.weidmueller.com/fieldpower for details.

Power distribution for robotics



Drive box for industrial motors



Generating and fusing DC voltage



Total flexibility, uncompromising performance

The range of application options speaks for itself

Challenge: Complex, unwieldy robotics installations such as those usually found in automotive manufacturing demand decentralised power distribution.

Solution: Safe bifurcation from the energy bus requires lots of individual decentralised functional units between the robots. This provides the flexibility to expand functionality as needed.

The FieldPower® advantage: FieldPower® solutions are an economical alternative to the usual steel enclosure applications. We tailor them with as many outputs as you require.

Challenge: Modular plant designs require lots of individual bus and communication systems. At the same time, they need a clear, well-organised power, signal and data distribution structure.

Solution: Integrate a wide range of functions in a single enclosure, e.g. actuation of a 400 V motor complete with bus communication, connection of various sensors (e.g. light barriers), connection of emergency stop buttons and safe transmission to a higher-level safety control system.

The FieldPower® advantage: As an example, in a materials handling application you could dispense with up to two bus systems. FieldPower®'s flexible connection system lets you customise or expand the application to suit requirements.

Challenge: Until now, power management and load monitoring have generally been based in the control cabinet. But decentralised applications are designed to cut down on wiring work and optimise consumer power supply.

Solution: Combine both functions in one enclosure. Installing heat-generating power electronics in the field can be troublesome, but not with the new FieldPower® aluminium function lid.

The FieldPower® advantage: Decentralised applications cut down on wiring. As a result, you save on material and budget and reduce power outages caused by long cables. What's more, all FieldPower® solutions can be expanded based on your needs.

Book a consultation today!

Which decentralised functional unit do you need?

To book your personal consultation, visit: www.weidmueller.com/contact