Expertise in connectors and housing systems
Your strong partner for reliable connectors and housing systems

As a leading manufacturer of connectors and housing systems, we always work to turn the growing requirements of your industrial and infrastructure applications into new innovations. Discover our wide range of products and make the most of our professional service.

Your advantages at a glance:
- Unique product portfolio, thanks to future-oriented innovations and a high degree of variety.
- High quality, thanks to standardized laboratory tests and high-quality materials.
- Professional service, thanks to personal consultation, flexible version management, and convenient online tools.
- High delivery reliability, thanks to modern manufacturing processes, worldwide production sites, and local warehousing.
Top quality

We conduct intensive quality tests before the production release and fully automatic inspections of all important parameters during production to ensure that the high quality requirements for our products are fulfilled.

Simulation
State-of-the-art computer technologies and simulation methods provide us with an insight and understanding right down to the smallest detail.

Qualification tests
All of our products must pass regular tests and inspections. This is how we guarantee high quality and reliable use.

Process monitoring
Only by carrying out consistent and multi-stage process monitoring can we meet, maintain, and improve high quality requirements.
Simulation and calculation of mechanical strains
X-ray of the correct conductor seat in a spring-cage terminal block
Simulation of the high-frequency behavior of RJ45 connectors

Durability test under extreme climatic conditions
Mechanical load tests through vibration tests
Load tests through conductor tensile tests

Quality inspection using optical camera systems
Including employees in the continuous quality improvement process
Fully automatic screw test in the manufacturing process
Innovative connection and transmission technologies

Whether it's for convenient conductor connection on site, automated PCB assembly in the THR process or reliable data transmission – we can always provide you with the right connection technology.

Connection technologies
Whether it's for solid or stranded conductors, large or small cross sections, with or without ferrule – we have the ideal connection technology for every application.

Mounting techniques
We offer the right connection technology for both manual and automated PCB assembly, which means we can cover all production types.

Contact techniques
Whether it's for signals, data or high power – we have the right contacts for every area of application.

Transmission methods
Whether you're using copper or fiber optic technology – our connectors allow you to achieve fast and reliable data transmission.
Copper-based connector for transmission speeds of up to 10 Gbps

Fiber optic connector for transmission speeds of up to 40 Gbps
High level of manufacturing expertise

Manage and further develop all manufacturing and assembly processes on a daily basis – that is our philosophy, which means you can rely on consistently high quality and delivery reliability.
Inspiring innovations

Our innovative strength is underlined by numerous patents. When it comes to fast connection technologies, miniaturization, high currents, and secure data transmission with copper and fiber optics in particular, our trendsetting developments have set the standard throughout the world for decades.

M23 hybrid connector
for the transmission of signals, data, and power in a single plug
PLH 16 high-current PCB terminal block with push-lock connection for power up to 76 A

ME-PLC housing system with modular push-in connection on the front

RJ45 connector with IDC fast connection and push-pull interlocking

SUNCLIX DC connector with spring connection for photovoltaics

DFMC PCB connector with push-in connection and Lock and Release locking
Connectors with screw connection
Connectors with push-in connection
Connectors with Lock and Release system

Miniature PCB terminal blocks
Miniature connectors
Miniature IDC terminal blocks

PCB terminal blocks up to 125 A
Connectors up to 125 A
PCB terminal blocks with push-lock connection
Feed-through terminal blocks up to 309 A

Connectors with double connection
Connectors for pin strips
Connectors with push-in technology
PCB terminal blocks

Aluminum housing
Housings with bus connector
Profile housing
Housings for installation distributors
**COMBICON control**
Connection technology for measurement and control technology and I/O modules: PCB terminal blocks and connectors with a 2.54 to 7.62 mm pitch, screw, spring, and insulation displacement connection.

**COMBICON high density & data**
Connectors in miniature format – fast insulation displacement, spring, and pierce connection technology, T-branches for easy bus connections.

**COMBICON power**
Connection technology for power electronics: PCB terminal blocks and connectors for currents up to 125 A, screw and spring connection, panel feed-throughs.

**COMBICON compact**
Device connections for building technology and LED applications: PCB terminal blocks and connectors with a 2.5 to 7.5 mm pitch, screw and spring connection as well as pin strips.

**HOUSING**
Plastic and aluminum electronics housing: component housing and panel mounting bases for industrial electronics, component housing for building installation, innovative bus connections between housings.
PLUSCON data
Connectors, panel feed-throughs, cables, and patch fields for fieldbuses and networks.

PLUSCON circular
Flush-type connectors, connectors for assembly, and cables from M5 to M40 for signals, data, and power.

PLUSCON power
Charging systems for E-Mobility up to 400 A and connectors for power electronics up to 150 A.

PLUSCON device
Rectangular connectors with modular contact system for signals, power, and fiber optics.

PLUSCON solar
AC and DC connection systems for photovoltaic modules, inverters, and micro inverters.
M12 connectors

RJ45 connectors

Fiber optic connectors

D-SUB and USB connectors

M5 to M12 panel feed-throughs

M17 to M40 panel feed-throughs

M12 to M40 connectors

Molded connectors up to M40

Charging plugs and cables

Inlets and sockets

Plug-in system for electric utility vehicles

M58 power connectors

Sleeve housings

Power contact inserts

Contact inserts with crimp connection

Direct PCB connection

DC connectors

AC connectors

Connection system for micro inverters

Connection system for BIPV
Professional service

In addition to our comprehensive range of standard products, we can also offer a high degree of flexibility when it comes to customer-specific modifications. From color versions, to printing, right through to special packaging, we can provide you with almost anything – even brand new product developments.

Flexible versions
Whether it’s individual colors, modern special printing, a specific number of contacts or complete cable assembly – our service centers will be happy to support you in quickly implementing your requirements.

Innovation expertise
Benefit from our extensive development and manufacturing expertise for your individual solution – from the initial idea right through to series production.

Professional service and support
During the design-in process, we’ll offer advice and support from the initial inquiry right up to the finished product, wherever you are in the world.
Wide range of color versions
Customer-specific cable assembly
Individual printing
Special punching, coding, and pin lengths

Connection block for temperature sensors
Hybrid connector for charging stations
Connection system for LED street lighting
Controller housing with front connection technology

Fast item selection using web tools
Convenient 3D data download
International training on products and technologies
Global presence

You can find us wherever you need us – worldwide. Founded over 90 years ago, our family company now employs around 13,000 people worldwide. Our sales network with over 50 subsidiaries and more than 30 additional sales partners guarantees competent advice directly on site.
Poland: production and sales

Germany: company headquarters with development, production, and sales

China: development, production, and sales

USA: development, production, and sales

India: development, production, and sales

Brazil: production and sales

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Brazil: production and sales
Always up-to-date, always available to you. Here you’ll find everything on our products, solutions and service:

phoenixcontact.net

Product range

• Cables and wires
• Connectors
• Controllers
• Electronics housing
• Electronic switchgear and motor control
• Fieldbus components and systems
• Functional safety
• HMIs and industrial PCs
• I/O systems

• Industrial communication technology
• Industrial Ethernet
• Installation and mounting material
• Lighting and signaling
• Marking and labeling
• Measurement and control technology
• Modular terminal blocks
• Monitoring
• PCB terminal blocks and PCB connectors

• Power supply units and UPS
• Protective devices
• Relay modules
• Sensor/actuator cabling
• Software
• Surge protection and interference filters
• System cabling for controllers
• Tools
• Wireless data communication