Industrial Automation

Connectivity solutions

Amphenol CONEC

Technology in connectors™

- Factory Automation
- Machine Building
- Industry 4.0
- Material Handling
- Electronics









Amphenol CONEC
Technology in connectors™

CONNECTING YOUR FUTURE

Versatile, flexible and high-performance – these are CONEC's connection solutions.

Connections are the foundation of modern technology. They enable machines to operate with precision, ensure reliable data transmission and keep industrial processes running safely and efficiently around the world.

For nearly 50 years, CONEC Elektronische Bauelemente GmbH has been synonymous with innovation, quality and precision. As a specialist in connectors, cable assemblies, customized enclosure solutions and IO systems, CONEC delivers versatile, flexible and high-performance solutions for demanding applications worldwide.

Our customers operate across a wide range of industries, including automation, industrial electronics, aerospace, logistics, telecommunications, datacenters, energy, mechanical engineering, agriculture and transportation.

With a high level of vertical integration, state-of-the-art manufacturing technologies and strong in-house development expertise, we create solutions precisely tailored to individual requirements – from initial concept through to series production.

Globally connected – locally responsive

As part of the globally active Amphenol Group, CONEC combines international strength with the agility, speed and customer focus of a mid-sized company.

Global presence

CONEC operates worldwide, with its own subsidiaries and production facilities in Canada, China, the Czech Republic, Slovakia and Mexico.

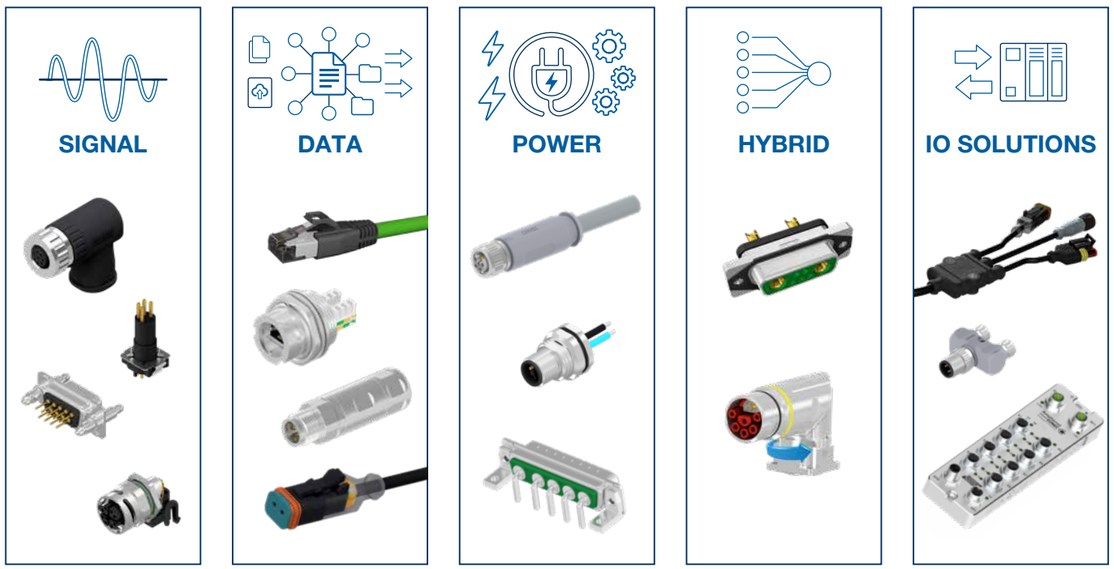
Certified quality

Our quality management system is certified in accordance with DIN EN ISO 9001, ensuring consistently high product quality.

Continuous investment in advanced manufacturing technologies, digitalization and a highly skilled workforce ensures consistently high quality standards and positions CONEC as a trusted development partner for advanced connectivity solutions worldwide.

Comprehensive Connectivity Portfolio

Advanced solutions for industrial applications





INDUSTRIAL AUTOMATION

Factory Automation
Robotics
Material Handling
Industry 4.0
Machine Building



MOBILE AUTOMATION

Agricultural
Construction
Mining/Drilling
Material Handling
AGVs





TRANSPORTATION

Aviation
Mass Transit
Municipal Vehicles
Marine
Railway
Signaling

INTRA-LOGISTICS

Logistic Automation
Conveyor
Material Handling
Forklifts
AGVs



MEDICAL TECHNOLOGY

Diagnostic Imaging
Laboratory Automation
Patient Monitoring
Surgical Robotics
Medical Devices





DATA | IT | COMMUNICATIONS

Data Center
Datacom
Security
Surveillance

AREAS OF APPLICATION IN INDUSTRIAL AUTOMATION

FACTORY AUTOMATION

Digital connectivity and smart automation for future-ready factories

- Electric Drives
- Power Drives
- Mobile Robots
- Automated Guided Vehicles (AGVs)
- Surveillance Technology
- Security Technology

MACHINE BUILDING

Ensure reliable power, signal and data transmission in machinery

- Metal Industry
- Forming
- Tooling

INDUSTRY 4.0

Digital integration and automation of industrial production and business processes

- Sensor Technology & Data Collection
- Instrumentation
- Visualisation

MATERIAL HANDLING

Smart solutions for internal material flow and logistics

- Cranes
- Forklifts
- Container Handling
- Automated Guided Vehicles (AGVs)
- Drones
- Mobile Robots

ELECTRONICS

Advanced electronics and control technology for reliable, efficient processes

- Measurement & Testing Technology
- PCB Assembly

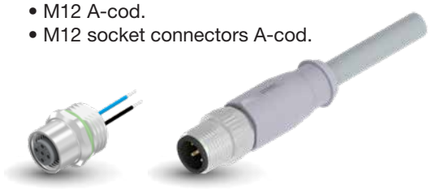


FACTORY AUTOMATION

Sensor Actor Connections

Reliable signals in the field

- M12 A-cod.
- M12 socket connectors A-cod.



Motion Control & Drive Technology

Reliable connectivity for motors, encoders and feedback systems

- B23 hybrid connectors
- M12 X-cod.



Motion Control & Drive Technology

Reliable connectivity for controllers and fieldbus applications

- M12 bayonet locking D-cod.
- M12 socket connectors D-cod.
- D-SUB High Density
- IP67 RJ45 inline coupler



Modular IO Distribution Systems

For decentralized installations and rapid wiring

- Active EtherCat; master; 8 x M12; IO-Link
- Active EtherCat; independent; 4 x M12
- Active IO-Link; slave ; 8 x M12





Power Connectivity & Distribution

For power and energy transmission

- M12 L-cod.
- M12 T-cod.
- M12 socket connectors S-cod.



Pneumatic & Vacuum

For grippers, valves and vacuum systems

- M8 A-cod.
- M8 socket connectors A-cod.
- M12 Y-splitter



M12 Panel Mount Connectors

For reliable device integration

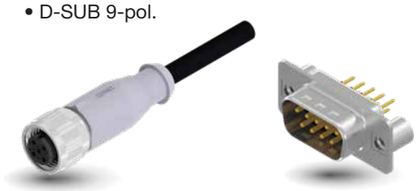
- M12 socket connectors, front panel mounting A-cod.
- M12 socket connectors with cable, bayonet locking D-cod.



Handling & Robotics

For grippers, gantry axes and robotic peripherals

- Connectors with drag chain-rated cables
- D-SUB 9-pol.



Panel Feedthroughs

For secure cable entry

- B17 receptacles
- M12 switch case lead-through A-cod.
- Panel mount connectors with cable D-cod.



Accessories & Installation Components

For installation and protection

- Crimping tool
- Protection caps
- Torque wrench





FLEXIBLE For every application

RELIABLE Secure connectivity in motion

EFFICIENT Quick installation & Easy maintenance

COMPACT Space saving solutions

ROBUST For industrial environments

Have a specific requirement?
Together, we'll find the right solution

Scan the QR code to view our full product portfolio

MACHINE BUILDING

Power Supply

For safe power distribution

- M12 socket connectors L-cod.
- M12 T-cod.
- M12 socket connectors T-cod.



Data Communication

For fast and reliable data transfer

- IP67 RJ45 patch cords
- RJ45 patch cords



Sensors & Actuators

For connecting sensors, actuators and IO modules

- M8 A-cod.
- M8 socket connectors A-cod.
- M12 A-cod.



Junction Boxes

For decentralized and structured cabling

- Passive 8 x M12; M23
- Passive 4 x M8; M12





Security Technology

For stable and reliable device integration

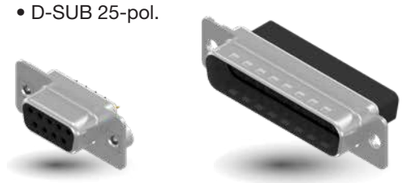
- M12 S-cod.
- M12 socket connectors T-cod.
- M12 T-cod.



Control & Signal Transmission

For connecting controllers and peripherals

- D-SUB 9-pol.
- D-SUB 25-pol.



Actuators & Valves

For pneumatic and electric controls

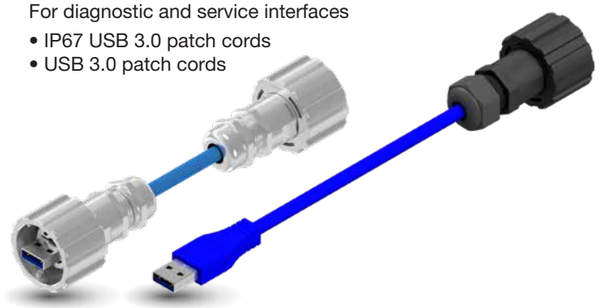
- M12 A-cod.
- M12 T-cod.
- M12 L-cod.



Maintenance & Service

For diagnostic and service interfaces

- IP67 USB 3.0 patch cords
- USB 3.0 patch cords



RELIABLE
Secure connectivity in motion

ROBUST
For industrial environments

EFFICIENT
Increased productivity

FLEXIBLE
Modular & scalable

EASY INSTALLATION
Quick to install, ready to use

Have a specific requirement?
Together, we'll find the right solution

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Data Communication

For fast and reliable data transmission

- M12 D-cod.
- M12 X-cod.
- IP67 RJ45 inline coupler



Ethernet & Industrial Networks

For industrial networks and IIoT applications

- IP67 RJ45
- IP67 USB



Sensors & Actuators

For connecting sensors, actuators and IO modules

- M8 A-cod.
- M12 A-cod.
- With PUR and PVC cables



Control Cabinets & Distribution Technology

For decentralized installation and structured cabling

- Passive distribution boxes 8 × M8; M16
- Active distribution boxes PROFINET master

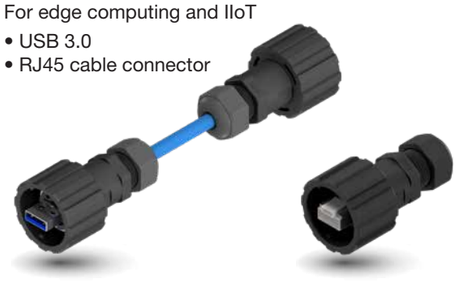




Industrial Computing & IIoT

For edge computing and IIoT

- USB 3.0
- RJ45 cable connector



Power Supply

For reliable and safe power supply

- M12 L-cod.
- 7/8“ connectors



Motion Control

For drives, motors and motion systems

- RJ45 patch cords
- IP67 RJ45 inline coupler



Control & Automation

Peripheral devices and signal transmission

- D-SUB High Density
- D-SUB Combination
- RJ45 patch cords



Hybrid Connectivity

Power and data in a single connection

- B17 hybrid receptacles
- B23 hybrid receptacles
- B40 hybrid field-attachable



CONNECTED
Seamless communication

TRANSPARENT
Real-time data & analytics

FLEXIBLE
Modular & scalable

EFFICIENT
Increased productivity

FUTURE-PROOF
Industry 4.0 ready

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MATERIAL HANDLING

Power Supply

For safe power distribution

- M12 L-cod.
- M12 socket connectors L-cod.
- M12 T-cod.



Data Communication

For fast and reliable data transfer

- RJ45 Cat 6a patch cords bayonet locking
- RJ45 Cat 6a patch cords



Sensors & Actuators

For connecting sensors, actuators and IO modules

- M8 A-cod.
- M8 socket connectors A-cod.
- M12 A-cod.

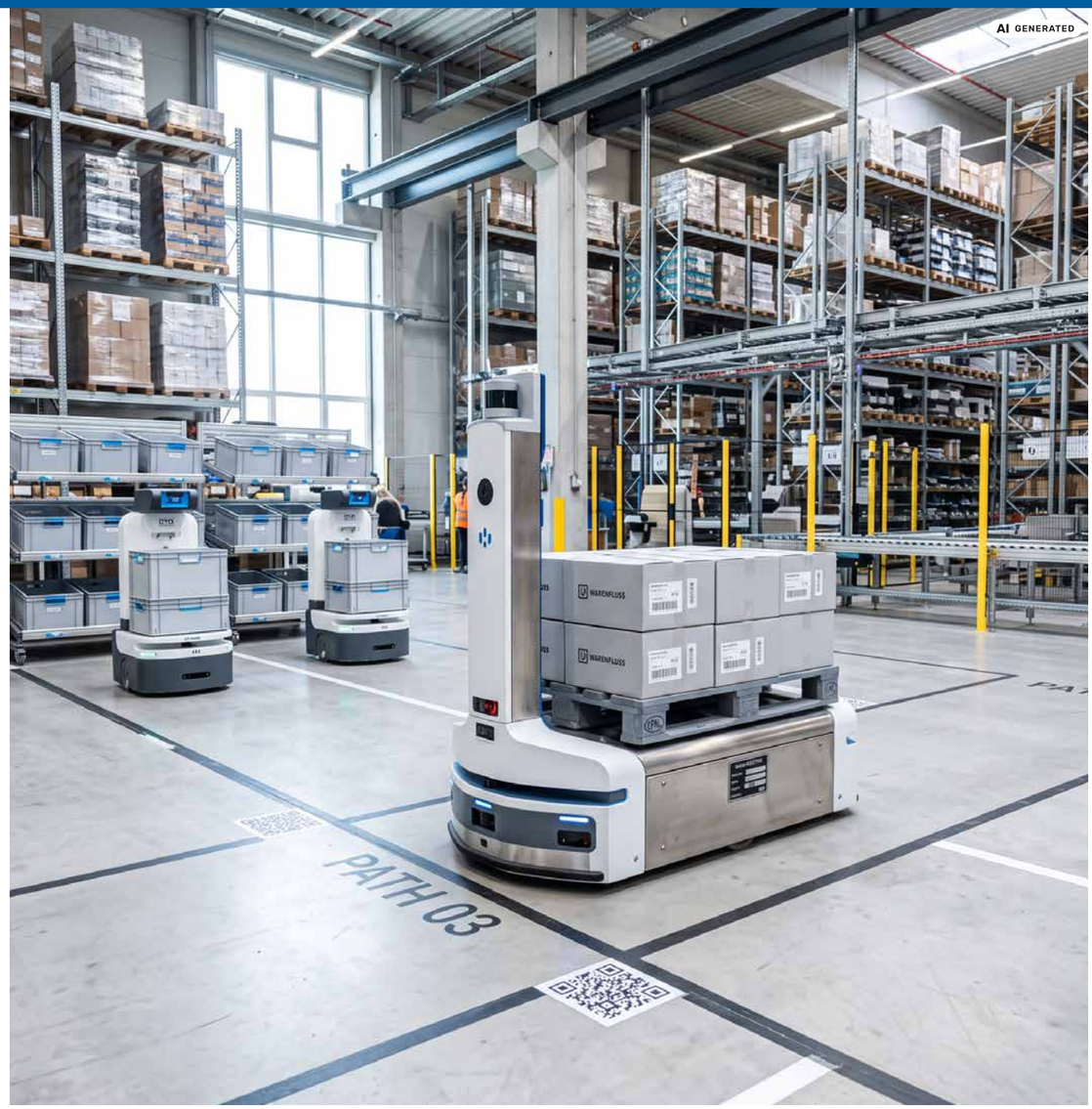


Charging Technology

For automated loading systems

- D-SUB 3W3
- D-SUB 7W2





Security Technology

For safe signals and emergency stop functions

- M12 S-cod.
- M12 socket connectors T-cod.
- M12 T-cod.



Cameras & Vision Systems

For image processing and camera systems

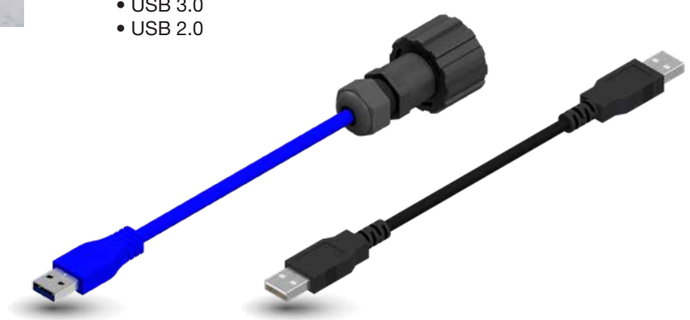
- M12 socket connectors X-cod.
- M12 X-cod.
- M12 socket connectors A-cod.
- M12 A-cod.



Maintenance & Service

For diagnostic and service interfaces

- USB 3.0
- USB 2.0



SAFE
Reliable protection for your applications

EFFICIENT PROCESSES
Save time, boost productivity

AUTOMATED SOLUTIONS
Boost efficiency with intelligent processes

COMPATIBLE
Seamless integration into existing systems

EASY MAINTENANCE
Service-friendly, minimize downtime

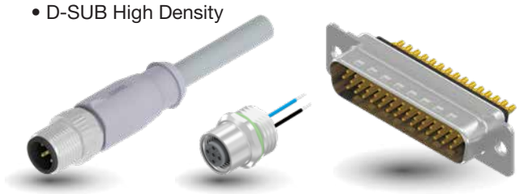
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Signal & Data Transmission

For precise measurement and test signals

- M12 A-cod.
- M12 socket connectors A-cod.
- D-SUB High Density



Measurement & Testing Technology

For analog and digital measurement systems

- M12 socket connectors bayonet D-cod.
- M12 socket connectors X-cod.
- M12 socket connectors L-cod.



Modular System Connection

For flexible and scalable test systems

- Fiber Optic inline coupler with protection cap
- Fiber Optic inline coupler



Insulating Bodies & Assembly Parts

For safe insulation and installation

- M8 insulation bodies SMT/ THR
- M12 insulation bodies SMT/THR
- Housings/Accessories
- Insulations bodies tape and reel
- M12 insulation bodies angled L-cod.





Precise Device Connectivity

For stable and reliable device integration

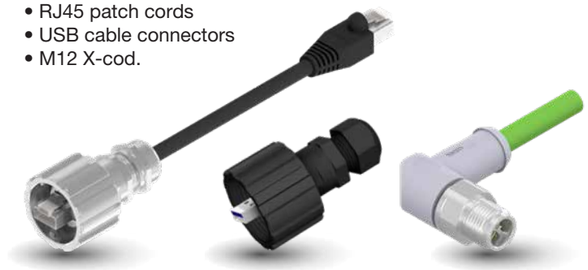
- IP67 D-SUB 15-pol.
- IP67 D-SUB 7W2



Data & Network Technology

For communication and remote monitoring

- RJ45 patch cords
- USB cable connectors
- M12 X-cod.



Utilities & Energy

For a Reliable Power Supply

- M12 T-cod.
- M12 socket connectors T-cod.
- M12 socket connectors L-cod.
- M12 L-cod.



Accessories & Enclosure Technology

For Protection, Guidance and Integration

- D-SUB SnapLock hoods
- IP67 D-SUB hoods
- Protection caps



FLEXIBLE
For every application

RELIABLE
Secure connectivity in motion

EFFICIENT
Quick Installation & Easy maintenance

COMPACT
Space saving solutions

ROBUST
For industrial environments

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Technology in connectors™



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