

- ↘ Automotive
- ↘ Food & Beverage
- ↘ Storage & Logistics
- ↘ Mobile Applications
- ↘ Robotics
- ↘ Machine tools

SERVING YOUR MARKET

Murrelektronik is your strong partner





*stay connected –
represented worldwide*



WE ARE AT YOUR SERVICE

- More than 2700 employees worldwide
- Represented in more than 50 countries
- Five production facilities
- 65,000 different products
- Products can be used worldwide thanks to country-specific approvals like UL and CSA
- Over 1 million parts in stock

SERVING YOUR MARKET

Murrelektronik is your strong partner

Different industries have different requirements. No matter if you are working in Automotive, Food & Beverage, Mobile Applications, Storage & Logistics, Robotics or Machine Tools, Murrelektronik's pioneering products are designed to meet your needs.

Our many years of industry experience combined with our future oriented technologies and products make us your go-to team for developing innovative automation solutions.

Product areas



1

ELECTRONICS INSIDE THE CONTROL CABINET

Mains suppression filters, interference suppression technology, interface technology, power supply and distribution

Murrelektronik's control cabinet components are designed to work together to create an optimum system installation with a focus on efficiency.

2

INTERFACES

Service interfaces, cable glands, signal lights

Connecting the control cabinet with the machine itself is an integral component of an installation. Murrelektronik offers a wide range of products to make machine assembly and disassembly along with connecting diagnostic equipment quicker and easier.

3

CONNECTION TECHNOLOGY

Plug connectors, cables

Murrelektronik is a leading supplier of cordsets. Our premolded M8 and M12 connectors are available in a wide variety of cable types, colors and connection styles. Our valve plugs are available in all common forms with a choice of connection options. Using our innovative torque wrench in combination with our connectors ensures a correctly tightened seal.

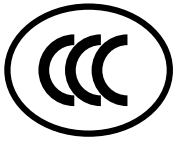
4

I/O SYSTEMS

Fieldbus technology, distributor systems

Murrelektronik's I/O systems give you options for your connecting sensors and actuators to the control. Since system requirements vary, we offer a wide range of products from passive distribution blocks up to high performance fieldbus systems.

Test, certification and approval marks



CCC (China Compulsory Certification)

... is a uniform certification system in China for various products marketed there. Certification is based on current certification regulations and applicable Chinese standards.



CE ... is a mark through which the manufacturer declares that a product complies with current requirements laid down in the applicable legal regulations of harmonization (EU Directives) of the European Union (EU).



DNVGL ... is a certification mark awarded by the DNVGL Group (for the shipping industry). It certifies that a representative product has undergone a DVNGL type approval procedure, which has confirmed its compliance with the applicable DVNGL Directives.



EAC ... is a uniform certification system in Russia, Kazakhstan, Armenia and Kirgizia (as a customs union) for various products marketed there. Certification is based on the technical regulation of the customs union and of the applicable standards.



Explosion protection marking

... for equipment and systems for the designated use in hazardous areas in accordance with EU Directive 2014/34/EU (ATEX)



TÜV (German Technical Inspection Association)

... is an independent testing and inspection organization. It performs tests, evaluations and inspections.



(1)



(2)



(3)

CSA test mark ... is a certification mark awarded by the CSA Group. It certifies that CSA has tested a representative sample of the product in question and has confirmed its compliance with current safety requirements for Canada and USA (1), for Canada (2) or for USA (3). These safety requirements are based on the safety standards developed and published by UL and CSA.



(1)



(2)



(3)

cULus LISTED test mark ... is a certification mark awarded by UL. It certifies that UL has tested a representative sample of the product in question and has confirmed its compliance with current safety requirements for USA and Canada (1), USA (2) or Canada (3). These safety requirements are based on the safety standards developed and published by UL and CSA. It is a certification mark designed for end products.



(1)



(2)



(3)

cURus Recognized Component test mark ... is a certification mark awarded by UL for components designed for installation in a major product, system, installation. It certifies that UL has tested a representative sample of the component in question and has confirmed its compliance with current safety requirements for USA and Canada (1), USA (2) or Canada (3). These safety requirements are based on the safety standards developed and published by UL and CSA.



VDE Verband der Elektrotechnik Elektronik Informationstechnik e. V. ... is an independent standardization and test organization from Germany.



REG.-Nr. XXXX

VDE test mark ... is a certification mark awarded by VDE. It certifies that VDE has tested a representative sample of the product in question and has confirmed its compliance with current VDE safety requirements/standards.

Fieldbus and communication systems



AS-Interface ... is a standardized fieldbus system (IEC 62026-2) from AS-International Association (registered association) that connects sensors and actuators via a common data transmission path to a control system.



CANopen ... is a standardized fieldbus system from CAN in Automation (CiA)



EtherCAT ... is a standardized fieldbus system (open industrial Ethernet technology) from EtherCAT Technology Group.



EtherNet/IP ... is a standardized fieldbus system from ODVA (Open DeviceNet Vendors Association, Inc.)



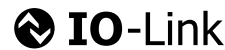
PROFIBUS ... is a standardized, open, digital communication system for all fields of application of production and process automation.



PROFINET ... is a standardized fieldbus system (open industrial Ethernet standard) in automation technology.



PROFIsafe ... is a standardized digital communication system (Safety Protocol) for safe communication via PROFINET or PROFIBUS in automation technology.



IO-Link ... is a standardized communication system that connects intelligent sensors and actuators to an automation system.

Automotive





Listed products

Murrelektronik maintains a large variety of approved products for global automotive related projects.

Worldwide consultancy and support

The Global Automotive Team from Murrelektronik supports and offers advice to companies in this sector.

Reduction of expensive downtimes

Increase machine availability and make time consuming troubleshooting a thing of the past with the diagnostic options in Murrelektronik's products, solutions and installation concepts.

MVK METAL

The robust MVK Metal fieldbus module with push-pull connections is designed for the automotive industry. The integrated "Fast Startup" (FSU) function makes the Profinet module ready for operation within 500 milliseconds of a tool change. This equals optimal set-up and start-up times.



Food & Beverage



Media-resistant and standard-compliant installation solutions with long-lasting components

Murrelektronik's Food and Beverage products fulfill the most stringent technical requirements. They use of V2A and V4A stainless steel and have an IP69k rating. They are FDA compliant, Ecolab® tested and certified and meet EHEDG regulations for hygienic design.

Reduction of the installation and maintenance expenditure

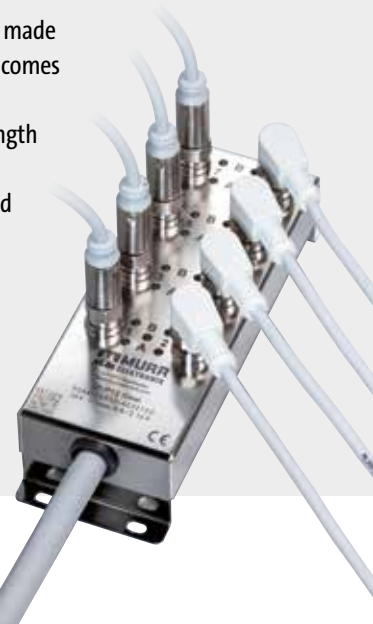
We rely on a wide range of know-how and products to move food sector companies forward no matter what level of automation they currently have.

Continuous support

From pre- to after-sales, Murrelektronik is your partner throughout your project.

MVP12 STEEL

This IP69k passive distribution box is made of high quality, V4A stainless steel. It comes equipped with a drag chain suitable connection cable in your choice of length (3-50m). These features allow you to install the device near the process and connect your sensors and actuators with the shortest possible cables.



Storage & Logistics



Simple and economical installations

Plugged in – Murrelektronik solutions can be installed quickly. This reduces time and effort and contributes to cost savings.

Customized solutions

Murrelektronik designs high quality cordsets to meet customer requirements..

Extreme ambient conditions

Murrelektronik components are proven to last – withstanding high temperatures and strong vibrations..



CUBE67 DIAGNOSTIC GATEWAY

The Cube67 Diagnostic Gateway is an easy to install device that reads and transmits diagnostic data from the Cube67 system. It's clear error messages make troubleshooting easy, increasing machine availability. The diagnostic data can be transmitted wirelessly to the cloud via OPC-UA to Murrelektronik's "nexogate" Industrial IoT interface. Nexogate makes it possible to generate "smart data" from "big data" and to transmit it via an encrypted communication path to a customer's own cloud.



Mobile Applications





Modular and flexible cable assemblies

Our modular designs and available variations make installation easy and flexible. Changing cable types, lengths, and connector styles is easily accomplished in our system designs.

Tight, resistant and long-lasting components

Start-up times are shortened and downtime is minimized through the use of pre-engineered plug connectors.

Wiring and distributing solutions for CAN and Ethernet

Wiring solutions for the on-board bus systems and connected devices is improved through engineered designs and tested connectivity solutions minimizing interference and communication problems.

XTREME DB

xtremeDB is a portfolio of distributed power and I/O devices with ports for Deutsch® connectors. Designed for the mobile controls market, they are IP67 rated and use J1939 for communication. The portfolio includes Input, Output and Combination blocks, each with amperages up to 52A. These blocks reduce your wiring efforts by minimizing the need for spider web harnesses and junction boxes, while allowing for shorter cable runs to each device. Each I/O point on the block has LED indicators along with short circuit and over current protection making troubleshooting a breeze.



Robotics





Narrow installation space at the robot

End of art tooling connections are made easy with small, lightweight modular connection devices from Murrelektronik.

Vibration- and shock-resistant components

Murrelektronik's fieldbus modules are fully potted and available with your choice of a plastic or metal housing. They are designed to handle the robot's bending and acceleration forces.

Great variety of torsion-resistant cables

Murrelektronik has many years of experience with torsion resistant cable for drag chains. Our cables come with a choice of connection styles and are designed for a large number of bending cycles.

CUBE67 MODULES WITH M8 CONNECTIONS

In robotics, every millimeter counts. Installation solutions for these areas often use M8 connections. Murrelektronik's Cube67 modules with M8 connections are designed to be installed close to the process so sensors and actuators can be connected with shorter cables. This reduces wiring efforts and installation costs.



Machine tools





Reduction of the total cost of ownership

IP67 I/O modules from Murrelektronik are designed for the demands of machine tool environments.

Protection for man and machine

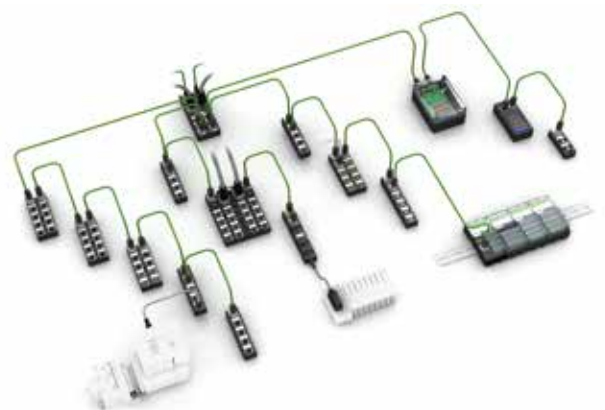
When an error occurs, components from Murrelektronik ensure safe switch-off. An IP67 module contains a combination of safe inputs and outputs. Thus, safety functions up to PL e/Cat. 4 to ISO 13849 or SIL3 to IEC 62061 can be implemented.

High machine availability

Extensive diagnostic functions allow errors to be found more rapidly. This reduces downtimes. Messaging from the Cube67 Diagnostic Gateway allows for visualization and communication of pin level diagnostics in an easy to use and implement manner.

CUBE67

Cube67 is a distributed and expandable modular fieldbus I/O system for IP67 applications. It enables customer-oriented installation concepts and perfect adaptation to the given application. Cube67 makes it possible to reduce time and effort of the installation by nearly 60% when compared to conventional terminal box installations.





stay connected

➔ www.murrelektronik.com

The information contained herein has been compiled with the utmost care. Liability for the correctness, completeness and topicality of the information is restricted to gross negligence.

Our company embraces social responsibility in all aspects of our business activities. Our brochures are printed using environmentally friendly production techniques and products.

