

# MURR ELEKTRONIK

## PROFILE

Murr Elektronik, a German company offers a comprehensive product range for electrical and electronic installation concepts from the cabinet and the interface into the field.

All products are engineered down to the smallest detail to ensure they will work well not only with each other but also with your existing system. Our wide variety of products allows you to build a system that meets your installation needs no matter whether you are talking about lowering installation and/or operating costs or simply putting together a more efficient machine.



*stay connected*

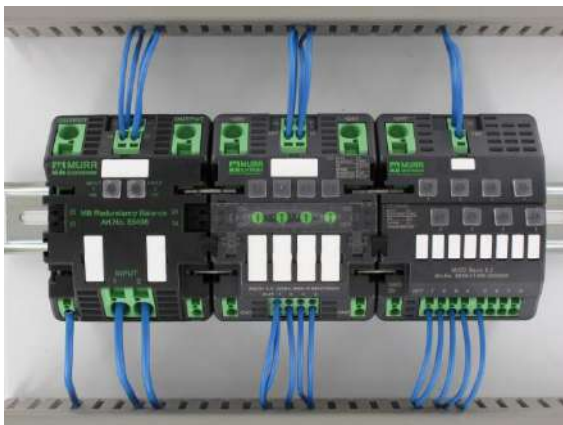
## PRODUCT

Murrelektronik offers a comprehensive product range for electrical and electronic installation concepts from the cabinet and the interface into the field.

All products are engineered down to the smallest detail to ensure they will work well not only with each other but also with your existing system. Our wide variety of products allows you to build a system that meets your installation needs no matter whether you are talking about lowering installation and/or operating costs or simply putting together a more efficient machine.

### Electronics in the Cabinet –

Murrelektronik's cabinet components ensure optimum power management in machine and system installations. The individual components are perfectly matched to each other.



MB Redundancy Balance  
Redundancy Module



MICO Classic



EMC Filters



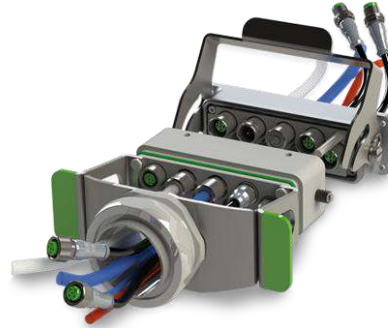
Optocouplers



Relays

### Interfaces –

Interfaces from the cabinet to the field are an essential part of many installation concepts. Murrelektronik offers a comprehensive product range for quick connections, easy separations and for connecting diagnostic equipment.



MSDD Hybrid Fieldbus Coupling Modlink Vario



Modlink MSVD



Modlink MPV

### I/O Systems –

Murrelektronik's I/O systems connect actuators and sensors of a system to the control. A huge variety of different models are available, from practical distributor solutions up to high performance fieldbus systems.



M12 Distribution System



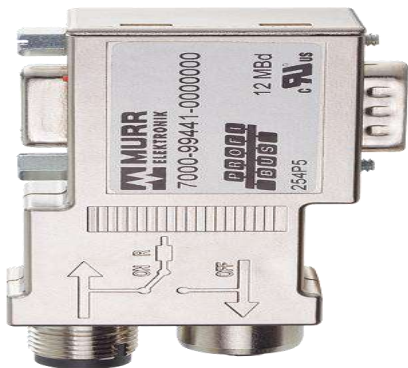
Cube67



M8 Distribution System

### Connection Technology –

Murrelektronik is a leading supplier of cordsets, with an almost infinite variety of cable types, colors and connector styles.



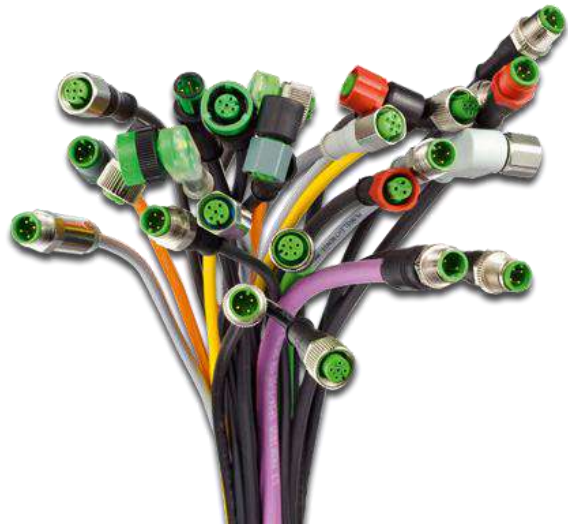
Adapters



Field wireable connectors



Fieldbus Cables



Sensor Actuator Cables



T-Coupler



Motor Cables

## **APPLICATIONS**

### **Different industries have different requirements –**

No matter whether you are in Automotive, Food & Beverage, Mobile Applications, Storage & Logistics, Robotics or Machine Tools Murrelektronik's products are designed to meet your needs.

With both future-oriented technology and extensive know-how, Murrelektronik is your partner in developing innovative automation solutions.



## **Versatile Processes In The Automotive Industry**

### **Paint Shop & Assembly** - The multi-stage process of painting

The multi-stage process of painting has to be flexibly organized, because in paint shops various vehicle types are often painted in different colours. High system reliability is required in order to avoid downtime. Installation solutions for final assembly have to be created flexibly because the requirements are continuously changing. Compact product dimensions facilitate handling.



### **Powertrain**– The engine and transmission production

The engine and transmission production requires components that are resistant to oil and lubricants. The installation solutions have to be cost effective and flexible because each system presents a new challenge. It is important that the components are small because space in the machines is limited.



### **Body Shop** -Robust and resistant components with IP67

Robust and resistant components with IP67 protection are needed in the harsh industrial of body shop environment. The modules have to be resistant to vibrations and to weld spatter. Comprehensive diagnostic options help to reduce downtime. For tool changes on robots, fast start-up times are required

and can be achieved, for example with Murrelektronik's Fast-Start-Up or QuickConnect concepts. The fieldbus communication with copper or fiber optic technology ensures data transfer without failures.



### **Food and Beverage Industry**

The food industry places extreme demands on plant and machinery, from the processing itself through to primary, secondary and final packaging. Forward-looking technologies are essential in order to meet the growing demands for flexibility and modularity. The use of IO-Link-compatible sensors and actuators can be a big step in the right direction. Increasing demands on the hygienic design of the production environment increase the cost of components. Modern installation concepts with decentralized IO modules or passive distributors can counteract this development. For these applications and many other situations, Murrelektronik offers solutions that are ideally adapted to the requirements of this sector of industry.

#### **Food Contact Zone** - Murrelektronik meets all requirements

- Using stainless steel
- IP69K protection
- TPE-S cable
- Food grade quality
- Resistant to acids and alkaline solutions
- Resistant to H<sub>2</sub>O<sub>2</sub> (Hydrogen peroxide)
- FDA compliant materials



## **Robotics –**

### **Narrow Installation Space at the Robot**

The smallest bus modules from Murrelektronik even fit on axis 6 of a robot arm – this allows distributed installation up to the immediate proximity of the process.

### **Vibration- and shock-resistant Components**

The fieldbus modules from Murrelektronik are fully potted and are available either with a plastics or metal housing as desired. This makes them resistant to the high tightening and acceleration forces at the robot.

### **Great Variety of torsion-resistant Cables**

Murrelektronik has many years of experience with torsion-resistant cables suitable for drag chains and offers highly resistant cables with a large number of bending cycles and a high variance of cables and plug connectors.

