

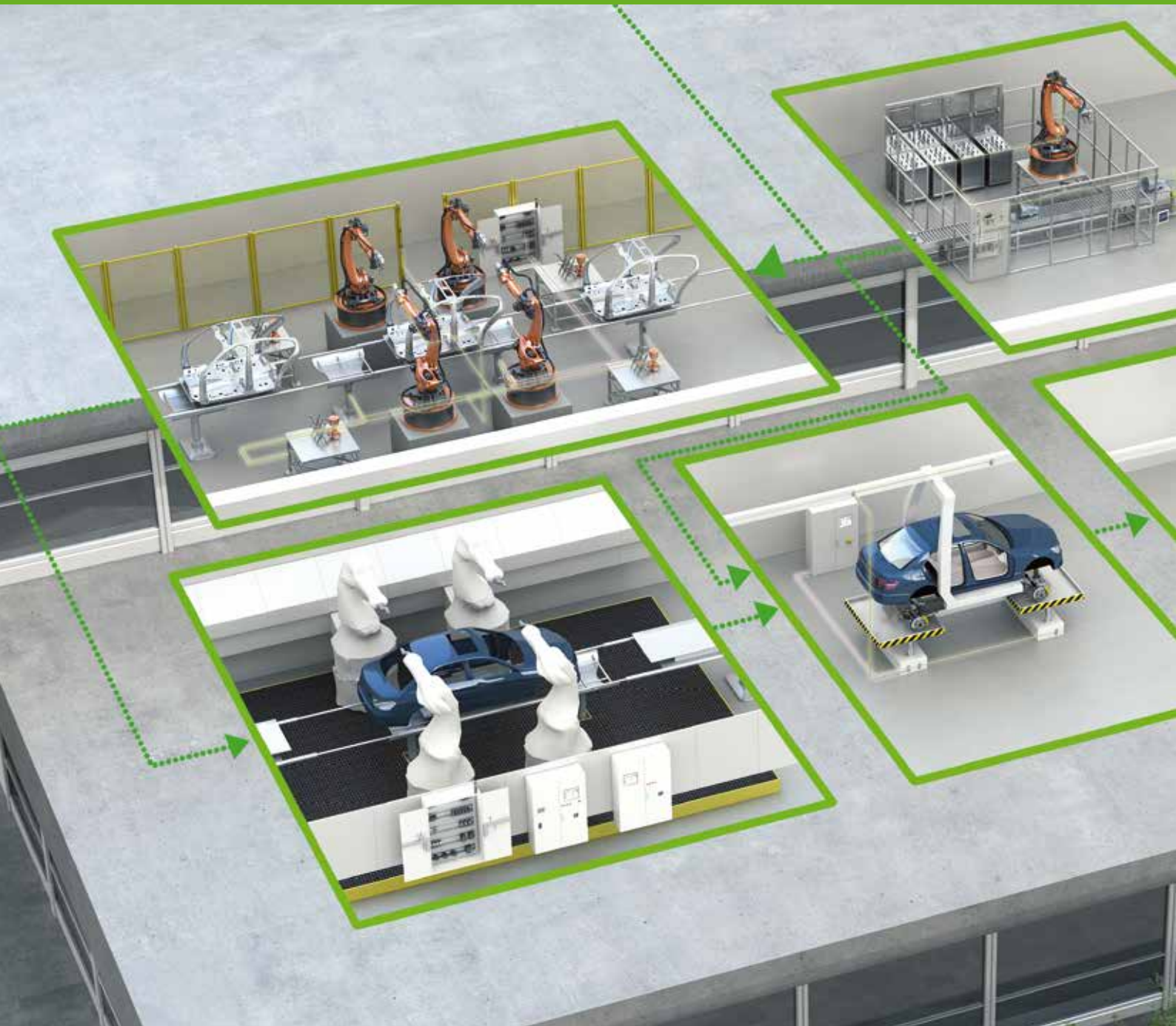
- Press Shop
- Body Shop
- Powertrain
- Paint Shop & Assembly

AUTOMOTIVE INDUSTRY

Murrelektronik is Your Partner



VERSATILE PROCESSES IN THE AUTOMOTIVE INDUSTRY



MARKET REQUIREMENTS:

- Process-Optimized System Solutions
- High Delivery Performance Worldwide
- Support for Standard Fieldbus Systems
- High Machine Productivity
- Key Account Manager with in Depth Knowledge of the Automotive Industry

MURRELEKTRONIK OFFERS:

- Complete System Solutions
- Comprehensive Diagnostic Options
- Vibration-Proof Products
- Excellent Logistics for Fast Deliveries
- Global Sector Management for the Automotive Industry



MURRELEKTRONIK IS YOUR PARTNER IN THE AUTOMOTIVE INDUSTRY

From press, body and paint shops, aggregate production to the final assembly – all processes in the automotive industry have to be well-matched down to the smallest detail. They have to be reliable and highly available in order to avoid expensive downtimes.

The material handling industry has an important cross-divisional function. Electric mono-rail systems or automated-guided-vehicle systems move vehicle parts between the different systems. At the same time, material handling serves as component storage between processes. These processes have to run without any failures, therefore, diagnostic options are a top priority in these systems.

FACTS ABOUT MURRELEKTRONIK

- Represented worldwide with 26 branch offices and many distribution partners
- 2M products available in inventory for fast delivery
- 65,000 different products with country-specific approvals like UL and CSA so they can be used worldwide



EtherCAT

DeviceNet

EtherNet/IP

IO-Link



PROFI
BUS

PROFI
NET

PRESS SHOP

- Rugged
- Vibration-Proof
- Increased System Availability
- Worldwide Approvals



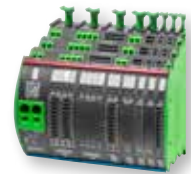
Press shops are highly automated. All manufacturing steps are fully automatic. The components have to be resistant to vibration and shock. High quality components from Murrelektronik provide for the highest reliability and help to ensure machine availability to reduce costly downtime.



Connection of Drives



M12 Round Plug Connector



Electronic Fuse



7/8" Round Plug Connector



Safety I/O Modules
(Metal Version)

BODY SHOP

- Compact Design
- Rugged
- Weld Spark Resistant
- Fast Startup (FSU)
- Very Easy to Use
- Fiber Optic Technology



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.



MVK Metal Push-Pull



Lichtwellenleiter-Anschlussstecker



Push-Pull RJ45



Push-Pull Power



Fiber Optic I/O Modules (Metal Version)



Buffer modules

POWERTRAIN

- Media Resistant
- Impermeable
- Specific Cables for the Automotive Industry



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.



Cube67



Switch IP67



I/O Modules
(Metal Version)



Switch Mode Power Supplies



Switch IP20



Front Panel Interfaces

PAINT SHOP & ASSEMBLY

- Compact Design
- Flexible Mounting Options
- High Channel Density

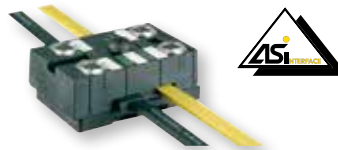


The multi-stage process of painting has to be flexibly organized, because in paint shops various vehicle types are often painted in different colors. High system reliability is required in order to avoid downtime.

Installation solutions for final assembly have to be created flexibly because the requirements are continuously changing. Compact product dimensions facilitate handling.



Cube205



AS-Interface



I/O Modules
(Plastic Version)



Modlight70



Torque Wrench



stay connected

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