

CONNECTED

FUTURE





www.murrelektronik.ch



NOTE

MURRELEKTRONIK THE GLOBAL INNOVATOR

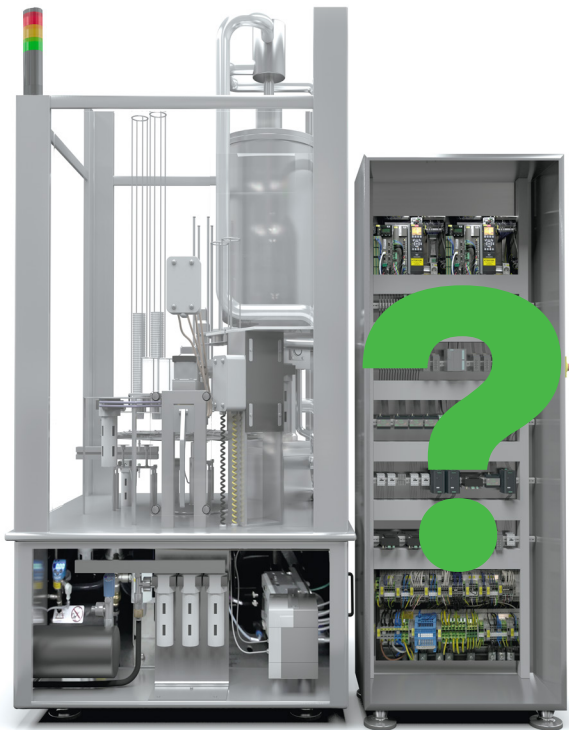
OF DECENTRALIZED ELECTRICAL AUTOMATION TECHNOLOGY



ZERO CABINET

**What must be done to
stay competitive?**

**This question has undoubtedly been posed by many
decision-makers in the engineering and machine
tools industry. Together, we move forward to
provide an answer.**



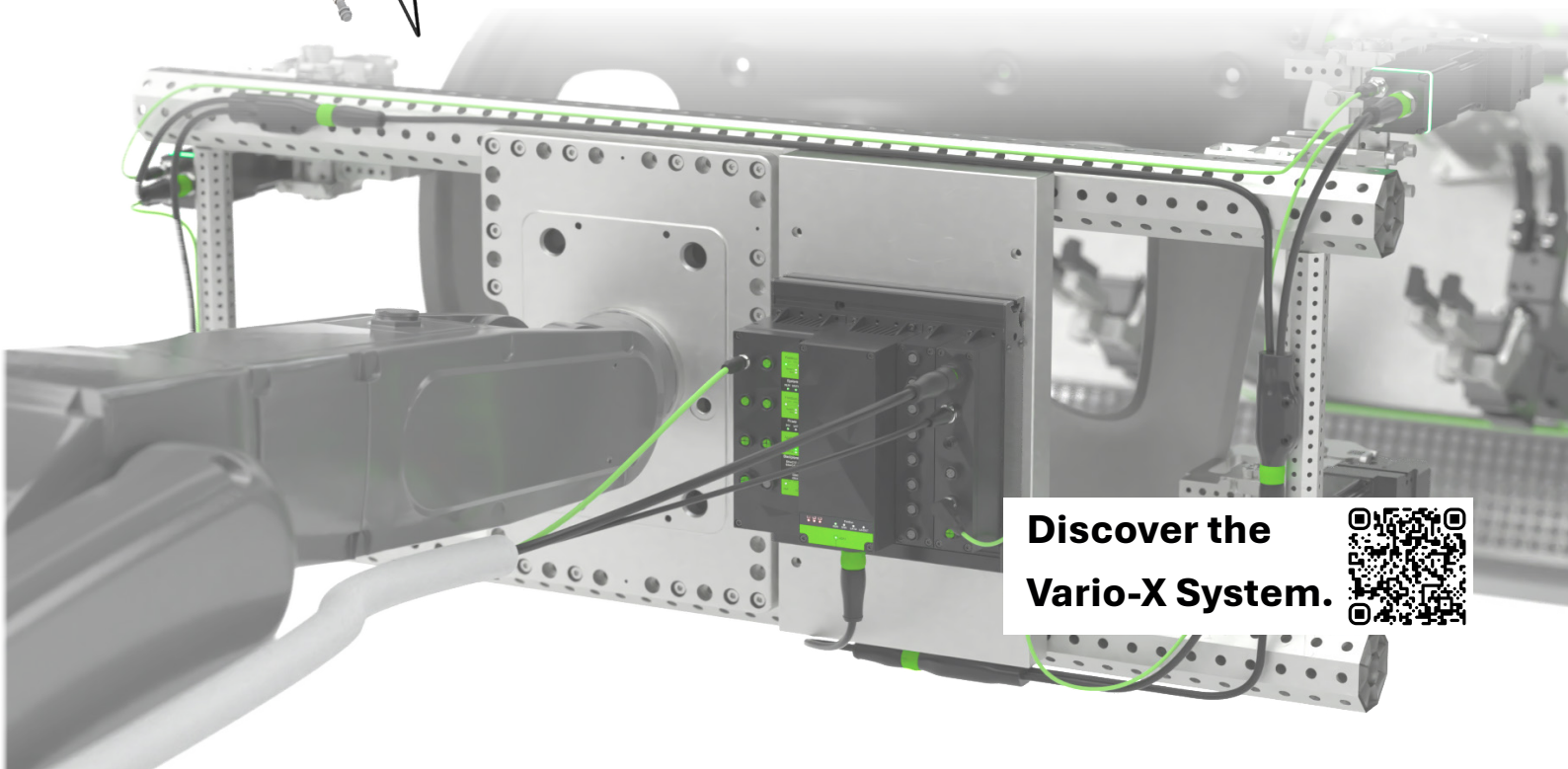
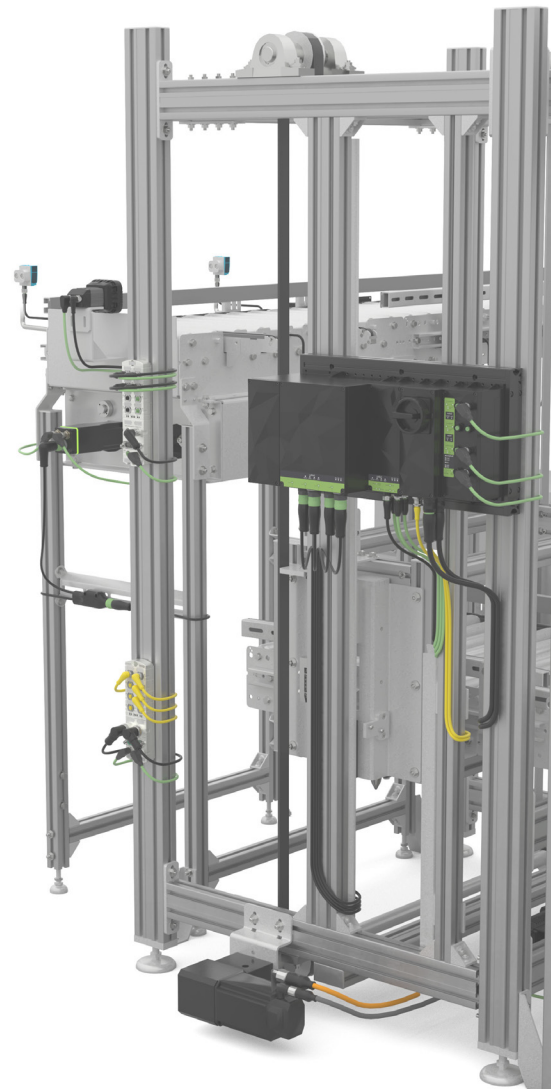
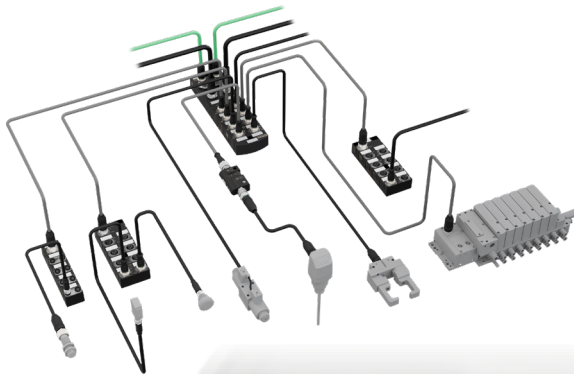
**Can you identify the
benefits?**

**Built with our experts the right solution with
the right automation technology.**

Simplify and accelerate your automation today.

**We offer tailor-made
solutions for your
application:**

**Select from our extensive product
portfolio – from connectors, I/O
systems, and power supplies to network
solutions and Vario-X.**



**Discover the
Vario-X System.**



ALLROUNDER MVK FUSION CIP SAFETY

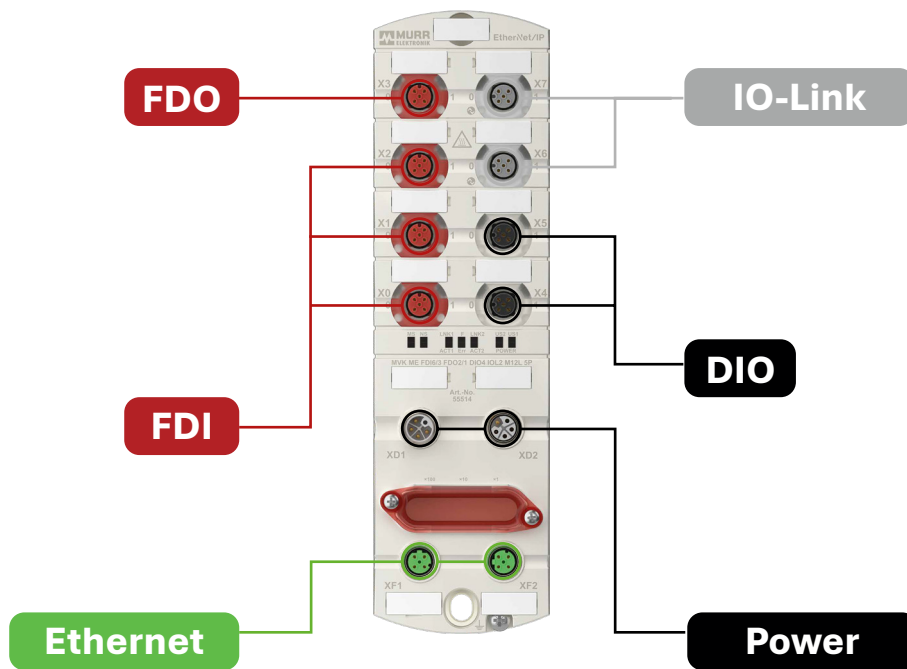
**Reduce your number of
fieldbus modules**

**3-in-1 functional safety
module:**

1. Digital standard sensors and actuators,
2. Digital safety-related sensors + actuators and
3. IO-Link (Class A and Class B).



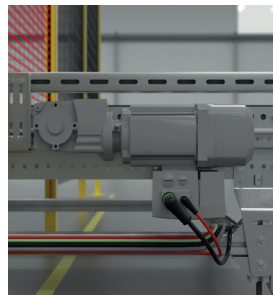
Efficient Engineering



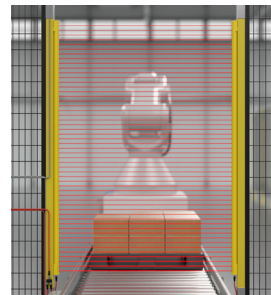
Unique IO-Link Class B port for safe shutdown of UA — Reaching up to PLd with IO-Link, extend your system clever with our K3 IO-Link I/O Module:



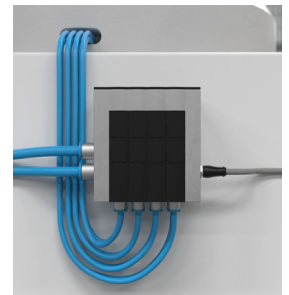
Easy connection using T-coupler or adapters for many safety devices on the market.



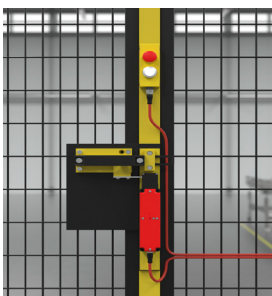
FDOs (2A) SIL 3 for usage e.g. to generate STO or power on/off valves.



Configurable FDI —one-/two channel for OSDD devices or potential-free contacts.



Unique Class B port with Safe UA shutdown —Reaching up to PLd with common IO-Link actors.



To run certain devices you need a combination of safe-/ and standard I/O signals.



IO-Link Class A port e.g for signal towers or any other Class A device on the market.

Discover our Safety Module.



WE ARE I

The future speaks IO-Link – but what is IO-Link?

IO-Link is the ideal system for integrating all types of signals in a simple and straightforward process. Analog, digital I/O, or IO-Link—even from different manufacturers? No problem—simply connect and get started!



Our IO-Link IP67 fieldbus modules MVK Pro and IMPACT67 Pro have eight multifunctional master ports, can also handle high currents thanks to L-coded M12 connectors, and support the Ethernet protocols PROFINET, EtherNet/IP, and EtherCAT.



**Discover our
IO-Link Portfolio.**



LINK



“The IO-Link communication standard makes machines more efficient, flexible and economical. Murrelektronik creates the infrastructure for data transmission.”

Wolfgang Wiedemann, Director Application Sales Consulting



**Discover our
IO-Link Video Series.**



NETWORK TECHNOLOGY

FIRMWARE V2.1.0

Available
Fall 2025

Made for all
**MANAGED &
MANAGED FIELDBUS SWITCHES**

Managed Switches

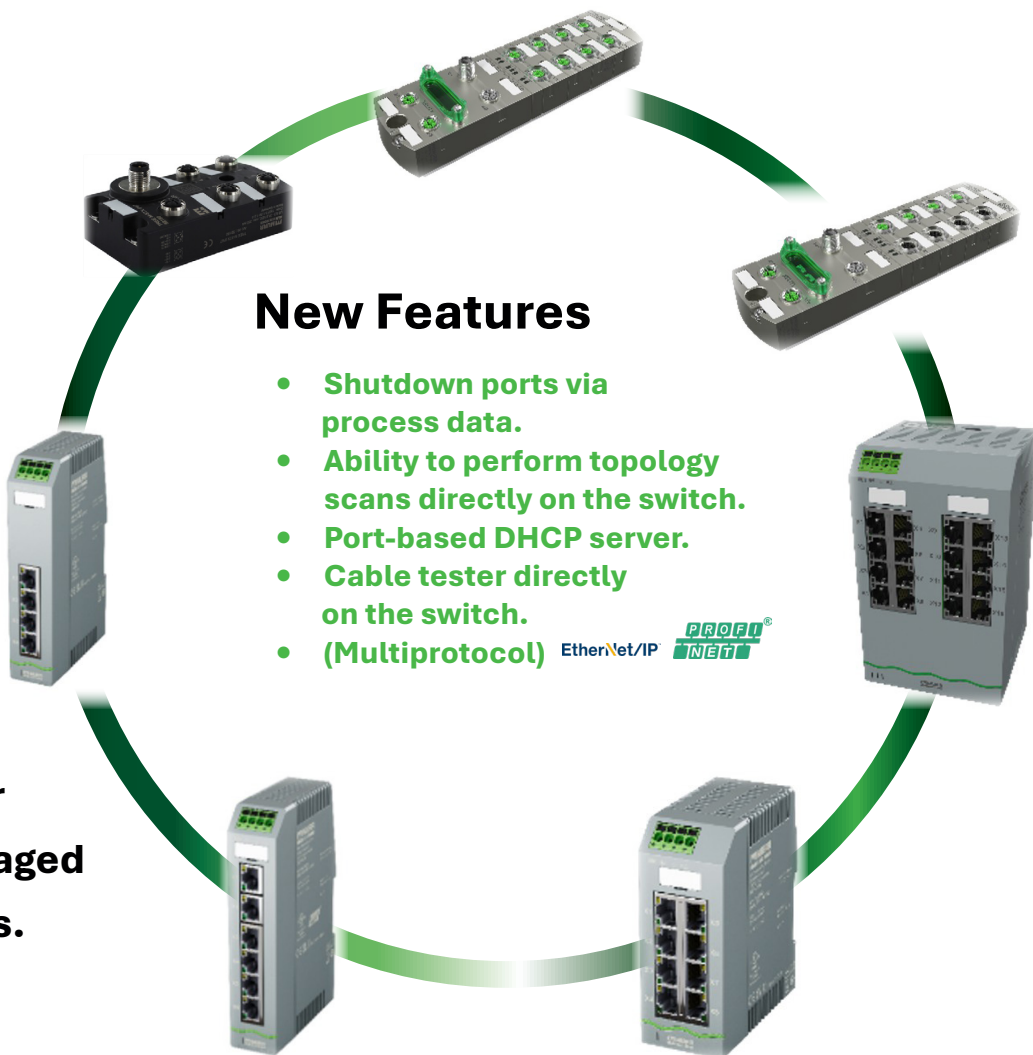
IP67

IP20

New Features

- Shutdown ports via process data.
- Ability to perform topology scans directly on the switch.
- Port-based DHCP server.
- Cable tester directly on the switch.
- (Multiprotocol) EtherNet/IP **PROFINET**

Discover
our Managed
Switches.



Xelity Wave Pro

NEW!



The Xelity Wave Pro line is a wireless networking solution designed to deliver highly reliable realtime wireless connectivity for industrial environments. It complements wired Ethernet in industrial applications and enables wireless connections for e.g. mobile systems.

EtherNet/IP[®] **PROFI**
NET

Unmanaged Switches

IP67

IP20

New Features (IP67)

- Low power consumption.
- Extended input voltage range 9 ... 45 V DC.
- 1 Gigabit variants available.
- Extended Temperature range -40 °C to +70 °C. (Instead of -25 to 60 °C)
- Ready for mobile machines.

**Discover our
Unmanaged
Switches.**



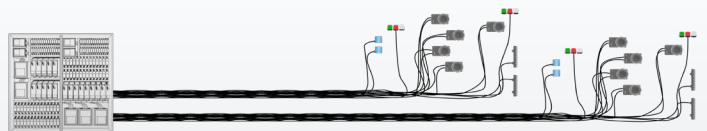
MACHINE VISION

The classical machine vision installation demands significant effort of resources, manpower and time.

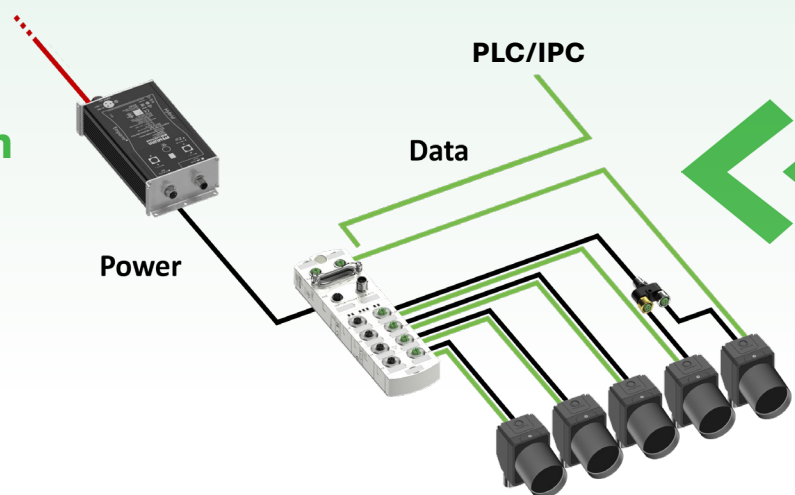
To make Zero Cabinet a reality, machine vision installations must be streamlined and flexible.

How do you install your Machine Vision Solution?

Classic Installation



Smart Vision Installation from Murrelektronik



Five Steps to MACHINE VISION

The path to perfect integration — reduced to the essentials, smartly installed.

Step 1.



85688
Emparro67 Hybrid



58857
Xelity Hybrid Switch



7490-40507-290xxxx
Special Murrelektronik
Camera Connector



7000-51001-790xxxx
X-Cod. Connector

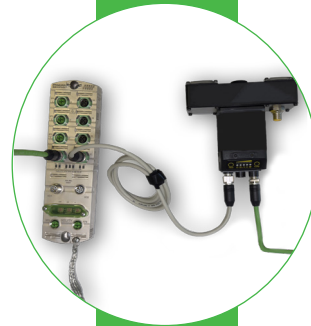
Step 2.

Connect the relevant camera signals via one cable to the Hybrid Switch (Power, Tigger and Encoder)



Step 3.

Connect the camera to the network port of the Hybrid Switch.



Step 4.

Create an uplink from the Hybrid Switch to your IPC or PLC.



Step 5.

Connect the +24V directly to the Hybrid Switch using the Emparro IP67 Power Supply.



GO!

Discover our
Vision-Solutions.



uKONN-X

The Digital Guide for Machine Installation

At the heart of **uKonn-X** is a software solution, which uses customer data such as PDF electrical diagrams etc., to create a bill of materials (BOM). The software then generates a clear, interactive 2D/3D view of the assembly or the entire machine.


uKonn-X generates digital navigation maps, similar to Google Maps, where the BMK of the components used, such as sensors and actuators, fieldbus modules, and connectors, are the street names and house numbers. The user is guided to their destination using this system and can see on their mobile device exactly where the electrical components are located and how they are correctly wired.



Discover our
Digital Guide.

Defined Core Model

SCAN.



Users in the installation department scan the components marked with QR codes using handheld scanners. Their positions are immediately displayed in the 2D layout view or in the 3D machine model.

INSTALL.



The placement of components and start and end points of cable connections are visually highlighted. Even those who are unfamiliar with the location are intuitively guided and led to the specified connection point without requiring in-depth technical knowledge.

DOCUMENT.



Once a task has been carried out, the user confirms the correctly executed assembly, thereby triggering documentation in the program and allowing the next task in the assembly process to be carried out until completion. The production management team has live access to data on work progress and expected completion, as well as a readiness report.