***Tackling challenges and shaping the future: These are Murrelektronik’s LogiMAT highlights***

Increasingly complex applications, rising cost pressure, more and more lack of skilled workers and the growing importance of sustainability and modularity: Using several exemplary applications and following the motto „Shaping Automation. Decentral. Seamless. Sustainable“, Murrelektronik clearly demonstrates at the **LogiMAT 2025 (hall 1G, booth 1GA81)** how our smart solutions can help to meet these challenges simply, seamlessly and cost-efficiently.

Our key highlights at a glance:

* **Brilliantly simple – simply brilliant: The Vario-X system**

Why make things complicated and expensive when it can be done much easier and faster? This is the question that decision-makers are increasingly asking themselves when planning new automation concepts or retrofitting existing ones. And instead of laborious, time-consuming and error-prone point-to-point wiring in the control cabinet, they are turning to the future of automation: decentralized solutions. Our unique Vario-X installation system is the holistic overall solution for this transition in industrial automation – a solution that seamlessly integrates all peripheral elements from the sensor to the cloud, regardless of the manufacturer. And this compatible with all major industrial protocols.

* **Excellent idea: Murrelektronik receives award at the Alliance Industry 4.0 Award Baden-Württemberg**

There is no way around the digital transformation of industry. And Murrelektronik is making it as easy as possible with its unique Vario-X installation system. This integrated system for the future of automation is causing a sensation not only in the industry, but also in politics and society – as demonstrated by its recent success at the Alliance Industry 4.0 Award Baden-Württemberg.

* **Digital guide: uKonn-X**

Automation systems are becoming more intelligent and powerful, but also more complex. This leads to a higher probability of errors in the installation and connection of machine components. At the same time, the shortage of skilled workers is making it increasingly difficult to find specialists with an electrical engineering background. Our intelligent digital solution uKonn-X solves all these challenges at once. uKonn-X stands for ‘you connect anything’ – and this name says it all: like a guide, the digital system leads the user step by step through even complex installations or commissioning in an easy-to-understand manner.

* **A standard and its success story: MQ15 power connectors**

System designers are increasingly opting for MQ 15 connectors to supply power quickly, cost-effectively and safely to asynchronous or three-phase motors up to 7.5 kW or to frequency converters. The MQ 15 connectors transmit high currents in the smallest of spaces – making them perfect for systems where space is limited. The standardization of the pin assignments for AC and DC applications in accordance with the international standard IEC 61076-2-116 and the resulting guaranteed manufacturer-independent compatibility have further boosted this trend. The highlight of Murrelektronik's MQ15 connectors: our innovative fast connection system reduces installation, service and maintenance time by up to 80 percent – and the connection is sealed to IP67.

* **Always fully informed: Murrelektronik combines machine lighting and status displays in one compact LED luminaire**

As useful as the head-up display in a car: With the new Modlight Illumix RGBW from Murrelektronik, machines and work areas can be illuminated optimally and energy-efficiently and status displays can be visually signaled. So, the operating personnel can always see where action is required. This prevents expensive machine downtimes and increases productivity significantly.

* **Efficient, safe and robust: The latest generation of Xelity managed switches from Murrelektronik offers even more benefits**

Decentralized and digital – this simple formula sums up what makes industrial network technology future-proof. Because the demands on modern intralogistic systems are increasing: maximum flexibility, minimum installation times and effortless expandibility are the keys to success. Ideal for today's modular intralogistics systems, the latest generation of IP67-rated Xelity managed switches offers even more benefits.

* **Convincing all-in-one solution: Murrelektronik presents new installation bundle specifically for single camera applications**

Machine vision is playing an increasingly important role in more and more intralogistics applications. The more of these systems are used and the more different manufacturers are involved, the more urgent the need for an efficient, modular and manufacturer-independent installation concept becomes.

Murrelektronik has developed a convincing all-in-one solution that offers many advantages. Just in time for LogiMAT, the company presents a new installation bundle specifically for single camera applications: One-Cam-Connect.

* **Even more possibilities: Murrelektronik’s large IO-Link family has grown again**

The demand for IO-Link has exploded in recent years: From 2022 to 2023, the number of installed IO-Link devices increased by an astonishing 89 percent. In total, there were already 51.6 million IO-Link nodes at the end of 2023. Murrelektronik also recognized this trend early on and has launched a complete IO-Link installation system in recent years. At the LogiMAT, the company will be presenting important additions to this system.

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