

Multitalented Masters

Murrelektronik expands its IO-Link portfolio with the IP67 rated MVK Pro and IMPACT67 Pro fieldbus modules. The robust modules provide on-board diagnostics and 4A per port output current. They are available in all common protocols and can be used independent of the fieldbus.

IO-Link stands for “plug-and-play” installation in automation technology. Against a backdrop of increasingly complex production processes and plants, in which more and more data is being collected and networked, the communication standard creates maximum transparency from the sensor-actuator level all the way to the cloud. Murrelektronik has expanded its IO-Link portfolio with the IP67 rated MVK Pro and IMPACT67 Pro fieldbus modules. The new modules have eight multifunctional class A/B master ports, two L-coded M12 ports for supplying up to 16A of power, and are available for PROFINET, Ethernet/IP and EtherCAT. Fieldbus independent use is possible through OPC UA, MQTT, JSON REST API – thanks to the integrated Standardized Master Interface (SMI). All in all, these devices lower costs and increase productivity while offering new options for service and maintenance. Installation and start up times are shortened because these modules can replace complexly wired, space-consuming control cabinets.

In addition to pure process data (I/Os), the new MVK Pro and IMPACT67 Pro modules also provide additional diagnostic data (voltage, current and temperature) for each port as well as for the entire module. This enables operators to detect anomalies and optimize their processes using data analytics. Thanks to the IIOT protocols, this is standardized and does not require a controller.

The integrated A/B ports are real workhorses. The function (IO-Link, DI, DO, DIO or a combination) can be configured at each pin. Automatic supply voltage switching means that the correct voltage supply, actuator supply for DOs and sensor supply for DIs, is always used. Devices with higher energy demand are also powered directly from the module. The 4A rating on each port, eliminates the need for an external power source or such devices. The L-coded M12 ports allow for daisy-chaining and provide up to 2 x 16A power which simplifies installation and reduces cable runs. Your choice of a plastic or metal housing, each with an IP67 rating, make these robust master modules.

The MVK Pro and IMPACT67 Pro fieldbus modules round out Murrelektronik's broad IO-Link portfolio that includes masters, hubs, converters, devices and connection technology. As a system provider Murrelektronik offers everything necessary to network the controller with the sensor/actuator level using IO-Link. Everything is designed to work together, is optimized for the application, and comes from a single source.



Caption: The IP67 rated MVK Pro and Impact67 Pro fieldbus modules expand Murrelektronik's IO-Link portfolio. They are available for all common protocols or fieldbus independent use and provide 4A port output current, on-board diagnostics and robust housings.

Image: Murrelektronik GmbH

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