

Product report

IO-Link field master for the intelligent factory

The IO-Link master from Leuze electronic is a field master which makes Industry 4.0 a reality.

The IO-Link interface is a first step toward Industry 4.0. It is used to exchange the available process, configuration and diagnostic data directly with the control system. To achieve true Industry 4.0 implementation, however, data does not only need to be made available in the control system but at the same time also has to be available at other levels all the way up to the cloud. For this purpose, Leuze electronic has designed an IO-Link field master which makes available the process and diagnostic data simultaneously via a web server. Communication to the control takes place via Profinet or Ethernet/IP. This represents a further important step toward the intelligent factory and provides the customer with the possibility of simple device configuration, validation and diagnosis. The IO-Link master with its compact design has a housing with protection class IP67 and, thanks to its robustness, is suitable for use in hostile working environments. It has four IO-Link ports and an integrated web server to allow configuration to be performed directly. In combination with the series 10 switching and measuring sensors, the advantages for the user are obvious: With the switching sensor HT 10, the sensor can be configured directly via the control system. With the measuring sensor ODS 10, the IO-Link field master represents a real alternative to the analog interface.



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Leuze electronic is one of the world's innovation leaders in optical sensors and is internationally known as a leading manufacturer and solution provider in electrical automation. Its main focus is on the areas of intralogistics, packaging industry, tool manufacturing and automotive industry as well as medical technology. The product range includes switching and measuring sensors, identification systems, solutions for image processing and data transmission as well as components and systems for safety at work. Founded in 1963, the company, with headquarters in Owen (Germany), has specific application know-how as well as broad industry knowledge. More than 1000 employees at 22 locations work in development, production, sales and service, supported by more than 40 sales partners worldwide. Innovative product developments, tailor-made complete solutions and an extensive range of services stand for the "Smart Sensor Business 4.0" at Leuze electronic.

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