

SG4 FIELDBUS, THE PERFECT LIGHT CURTAIN FOR INDUSTRY 4.0 BY DATALOGIC - TODAY IN ADVANCED MODELS

Bologna, 14 June 2018 - Datalogic, a global leader in the automatic data capture and process automation markets, is pleased to announce the introduction of ADVANCED models of SG4 FIELDBUS, the perfect light Curtain for Industry 4.0, the first one fully integrated into a high-performance, real-time and safe communication protocol based on Industrial Ethernet: openSAFETY (the most advanced and versatile protocol for functional safety on the automation market) over POWERLINK (the standard for high-performance real-time Industrial Ethernet communication).

The advanced models complete the SG4 FIELDBUS family, providing the proficiency to adapt to all kind of applications, including those that require real-time evaluation of the status of any single beam of a light curtain, such as: partial muting; fixed blanking; floating blanking; reduced resolution; measurement and any combination of the above, both static and dynamic.

SG4 FIELDBUS spans from the basic to the most advanced range of functions, from finger to hand and body protection, and can be used in any application where standard Safety Light Curtains are currently used. Adding the POWERLINK interface to the field-proven SG4 Light Curtain platform creates a new solution for safety that is easy to integrate in existing networks and that communicates seamlessly with safety programmable controllers. These features result in a safety system with less wiring and hardware, fewer errors in commissioning and maintenance, preventive maintenance and an increase of the overall machine availability.

Since both technologies, POWERLINK and openSAFETY, are open and license-free, they offer the highest investment-protection over the complete life-cycle of a machine or factory, ensuring maximum independence for automation suppliers, OEM machine builders and end-users, in a wide range of applications and industries such as: Automotive, Food & Beverage, Packaging, Machine Tools, Warehouses, Textile, Wood and Ceramics machinery.

"SG4 FIELDBUS ADVANCED models are the most flexible and efficient light curtains on the market, adapting their behavior to any need for the safety of automatic machinery. Datalogic opens new perspectives in the safety standards required in the Industry 4.0 model." states Cosimo Capuzzello, General Manager Manufacturing Industry at Datalogic. "Datalogic SG4 FIELDBUS Safety Light is indeed intended to substantially improve industrial production processes, supply chains and product life-cycles within Smart Factories".

SG4 FIELDBUS diagnostics are completely available to PLC and HMI systems. Any message can be directly read on the operator interfaces as well as on remote web interfaces using simple messages and native languages. Easy installation and maintenance, direct connection to POWERLINK through M12 connectors, no DIP switches to configure are among the key benefits of the product.

SG4 FIELDBUS has been developed in collaboration with B&R.

