

NOVEMBER 2019 | SPS 2019

PRESS INFORMATION

SAFE MOTION

WIELAND ELECTRIC PRESENTS COMPACT SAFETY CONTROLLER WITH MOTION FUNCTIONS INTEGRATED IN THE BASIS MODULE

With the samos® Pro Motion, Wieland Electric is presenting a compact safety controller at SPS 2019, which has all the functionalities for comprehensive speed, direction of rotation and position monitoring in its basis module without the need for an additional motion module. A gateway module for PROFINET I/O, EtherNet/IP or ModBus TCP is also not required thanks to integrating Industrial Ethernet. This saves space, material and costs - advantages that are used in machine and plant construction, presses, elevators, wind turbines and automated guided vehicles (AGVs).

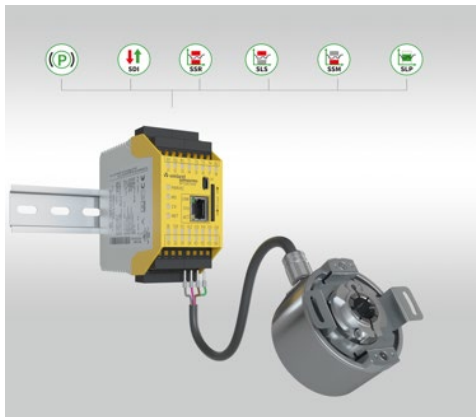
With a width of only 45 millimetres, the samos® Pro Motion includes six basic functions for safe speed, position and direction monitoring. Motion sensors detect pulses of up to 70kHz, which the controller converts into speed, angle, position and direction. The great advantage of this compact controller is that it can implement an extremely large number of safety functions with just one sensor element. Each function block contains up to four areas. Since 25 speed monitoring functions are in one controller, up to 100 speed or position ranges can be monitored with the basis module.

The safe incremental encoder SENC with HTL interface is available as an accessory. This allows speed and angle to be measured reliably on the axes, achieving a unique level of safety up to PLe and SIL3. It is suitable for safe speed, direction and position monitoring on all machines with reference travel and on automated guided vehicles (AGVs). The SENC incremental encoder is available in sizes 58mm and 90mm with hollow and solid shaft and with the appropriate accessories. Of course, the controller can also implement motion monitoring with 3rd party encoders with HTL interface, which are already available in the system.

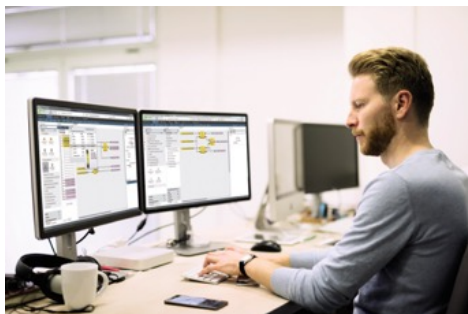
With samos® Plan 6, Wieland Electric provides intuitive and flexible programming software free of license for simple and time-saving configuration, parameterization, validation and commissioning. The user-friendly tool enables intuitive programming even without detailed product knowledge, as requirements are

used instead of specific products in the course of automatic hardware configuration. This significantly reduces the engineering effort. In addition, safety functions can be quickly validated, verified and documented on site both in offline and online mode using the oscilloscope function. An extensive library with TÜV-certified function blocks, including motion functions in accordance with EN61800-5-2, enables error-free parameter setting and supports fast acceptance by approval authorities.

IMAGE MATERIAL



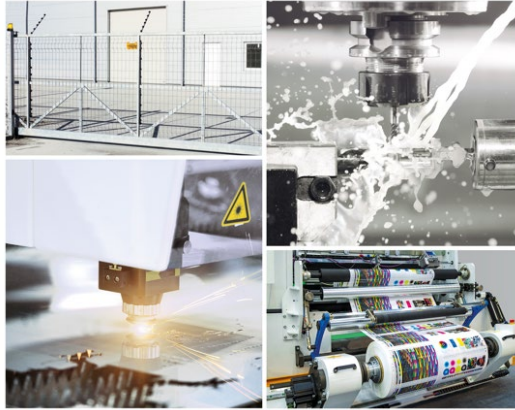
The compact safety controller samos® Pro Motion from Wieland enables comprehensive motion monitoring in its basic module and, with the incremental encoder SENC with HTL interface, offers the right accessories to achieve a safety level up to PLe and SIL3.



With the samos® Plan 6 programming software, Wieland provides a license-free software tool that enables intuitive and flexible parameterization and validation of safety functions.



wieland



The combination of compact safety technology and intuitive programming software shows its strengths in numerous applications where motion monitoring is to be implemented in an economical and space-saving manner.

ABOUT WIELAND ELECTRIC

Wieland Electric, founded in Bamberg in 1910, is the inventor of safe electrical connection technology. Today, the family-owned company is one of the leading suppliers of safety and automation technology and has been the global market leader in the field of pluggable electrical installations for building technology for over 30 years.

Wieland Electric assists customers with on-site support all over the world as a capable service partner and solution provider. This is possible thanks to around 1,600 employees and subsidiaries as well as sales organizations in over 70 countries. In addition to Wieland Electric GmbH, STOCKO Contact GmbH & Co. KG has belonged to Wieland Holding since 1998.

The core industries of the company are machine building, wind power, and building and lighting technology. The broad portfolio includes components, products, and solutions for electrical installation, connection technology, power distribution, safety technology, and the control cabinet. In addition, Wieland Electric offers an extensive service and training program. With cross-industry experience, great product diversity, and numerous service offerings, the company has consistently developed from a component supplier into a solution provider in recent years.

PRESS CONTACT

WIELAND ELECTRIC GMBH

Son Anh Bui / Marketing Communication

Tel: +49 951 9324 106

E-Mail: communications@wieland-electric.com

Internet: www.wieland-electric.de

MARION NIKOL

COMMUNICATION FOR INDUSTRY & TECHNOLOGY

Tel: +49 170 2731025

E-Mail: info@intecsting.de

Internet: www.intecsting.de