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PRESS INFORMATION

ALL-IN-ONE MOTION MONITORING

Wieland Electric presents samos[®] PRO MOTION, a compact safety controller with integrated motion functionality

Wieland Electric is literally bringing movement to its safety portfolio: With samos[®] PRO MOTION, the technology company presents a new all-in-one safety controller with integrated motion functionality. A total of six TÜV-certified motion function blocks ensure that up to 60 percent fewer modules are required and therefore more space is available in the control cabinet than with comparable providers. Among other things, the compact, programmable controller enables safe standstill monitoring, even with vertical and slow-moving axes, and also scores points with an anti-vibration toolbox for macro and micro vibrations.

Whether mechanical engineering or intralogistics - wherever reliable standstill, speed, direction and position monitoring is required, the compact safety controller from Wieland Electric with up to 70 kHz motion inputs on the base module is suitable. The integrated motion function modules include safe standstill monitoring (SSM), which can be implemented with both a speed window and a position window. The limits of the position window or hysteresis can be defined very easily using intuitive configuration options, allowing vertical and slow-moving axes to be monitored reliably and continuously, for example in construction cranes, lifting platforms, high-bay warehouses or presses.

Also on board the samos[®] PRO MOTION is an anti-vibration toolbox, which is available via the samos[®] PLAN6 software and supports reliable standstill monitoring during commissioning, calibration, maintenance, cleaning or even tool changes. This is precisely where vibrations

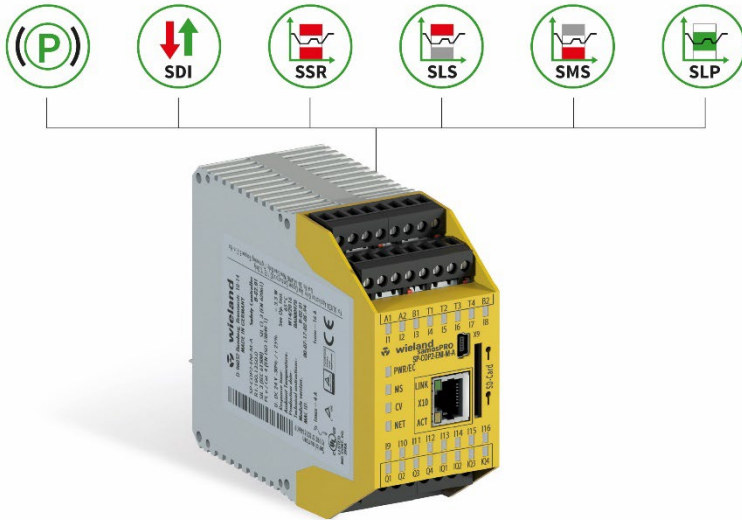


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can occur, which can be resolved using the appropriate functions: While the "standstill" function module comes into play for macro vibrations, Wieland Electric has built a professional "vibration filter" into the motion functions for micro vibrations. This allows users to find the optimum compromise between availability and safety within the framework of three options. The documentation for the safety control is also helpful, as it provides a clear overview of which safety level can be achieved with which filter option.

As with the samos[®] PRO safety controller, Wieland Electric also offers powerful programming software for the new samos[®] PRO MOTION. The intuitive samos[®] PLAN6 configuration tool has an extensive library of TÜV-certified function blocks that contain typical, application-specific safety functions. The simple handling via drag & drop significantly reduces engineering effort, project planning time and also the possibility of errors. Users also benefit from simple documentation and save time with the CE declaration of the machine. With the integrated one-click documentation, the documents for the CE declaration of conformity are available at the touch of a button, saving time in the approval process.

IMAGE MATERIAL



Saves space in the control cabinet and enables the monitoring of up to 100 limit values with its integrated motion functionality: the new samos[®] PRO MOTION safety controller from Wieland Electric. (Image: Wieland Electric)



In addition to a motion module, the Safe Motion portfolio from Wieland Electric also includes encoders and standstill monitors. (Image: Wieland Electric)



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Simple and reliable without a gear wheel, the HTL incremental encoders enable speed or position monitoring up to SIL 3 and PL e for one axis and up to SIL 2 and PL d for two axes. (Image: Wieland Electric)



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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 world market leader in the field of pluggable electrical installations for building technology for over 40 years.

Wieland Electric assists customers with on-site support all over the world as a capable service partner and solution provider. This is made possible by around 1,700 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 mechanical engineering, wind power, and building and lighting technology. The broad portfolio includes components, products and systems for electrical installation, connection technology, power distribution, safety technology, control cabinets and industrial prefabricated construction. In addition, Wieland Electric offers an extensive service and training program. With cross-industry experience, a wide range of products and numerous service offerings, the company has consistently developed from a component supplier to a system provider in recent years.