

Press Message

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**Servo amplifiers PMC SI6 and PMC SC6
now with safety integrated directly within
the drive for maximum productivity -
Maximum safety - directly within the
drive!**

Ostfildern, 07.11.2024 - **With the compact servo amplifiers PMC SI6 and the servo amplifiers PMC SC6 from Pilz, drive-integrated safe motion can now be implemented easily, up to the highest level of safety PL e. This is ensured by the safety functions integrated directly within the drive. Motion monitoring functions are available for this purpose. Users can combine these individually to obtain a flexible, scalable safety solution. With this drive-integrated solution, the error reaction can be adapted flexibly, which reduces machine downtimes.**

The open drive solution can be used independently of the motor type and feedback system. Even with the most varied requirements, plant and machinery can run with maximum productivity and high availability.

Both servo amplifiers have safe motion functions in accordance with EN 61800-5-2 up to PL e, as well as motion monitoring functions. They guarantee safety by evaluating internal system variables. A second encoder is not necessary to achieve SIL 3 or PL e. The solution via just one standard feedback system reduces the overall costs.

Numerous safety functions connected quickly

The safe motion functions include numerous safe stop functions, motion functions, and braking functions such as SS1, SS2, SOS and SLS.

Using FSoE (FailSafe over EtherCAT), users can quickly and easily integrate this solution into the machine's safety concept. FSoE also ensures safe cross-communication between the drives. The connection via FSoE means less wiring and increases security as the application is set up. Commissioning is quicker as a result.

Servo amplifiers from stand-alone to multi-axis application

The servo amplifiers PMC SI6 and PMC SC6 can be used for multi-axis applications in compact to large plant and machinery.

The stand-alone drive controller PMC SC6 is suitable for compact plant and machinery with two to four axes. The scalable multi-axis solution with the servo amplifiers PMC SI6 is used on plant and machinery with more than four axes. These series-technology axis modules are supplied with energy via the central supply module PMC PS6. This means they do not require their own power supply unit and users have a cost-saving solution.

In conjunction with the industrial PC IndustrialPI as a soft PLC, the servomotors PMC EZ and the configurable safe small controller PNOZmulti 2, Pilz users have a complete, safe and economical one-stop drive solution.

- [Discover more about the solution here](#)



Caption: With the compact servo amplifiers PMC SI6 and servo amplifiers PMC SC6 from Pilz, it is now easy to implement drive-integrated safe motion up to the highest level of safety PL e. This is ensured by the safety functions on the PMC SI6 and PMC SC6, which are now integrated directly within the drive. (Photo: © Pilz GmbH & Co. KG)

You can find texts and images for downloading at:

<https://www.pilz.com/en-INT/company/press/messages/articles/243474>

Pilz - The Spirit of Safety

Pilz is a global supplier of products, systems and services for automation technology. As a pioneer of safe automation, Pilz creates safety for human, machine and environment. Founded in 1948, today the family business with its head office in Ostfildern is represented worldwide with 2500 employees in 42 subsidiaries and branches.

The technology leader offers complete automation solutions for Safety and Industrial Security on the machine. These include sensor, control and drive technology - as well as systems for industrial communication, diagnostics and visualisation. An international range of services with consulting, engineering and training completes the portfolio. Pilz solutions are used in many industries beyond mechanical engineering, such as intralogistics, packaging, railway technology, or the robotics sector for example.

Pilz in social networks

In our social media channels we give you background information concerning the company and the people at Pilz, and we report on current developments in Automation Technology.



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