



samos[®] PRO COMPACT – Power in Safety **The next generation safety controller**

samos[®] PRO COMPACT complements the safety portfolio of Wieland Electric with a powerful next generation safety controller. With a width of only 45 mm, **samos[®] PRO COMPACT** is suitable for universal use, while offering safety for all kinds of machine and industrial applications at the same time. The compact module significantly reduces (logistics) outlay and simplifies safety solutions. Its perfect complement is the new graphic programming tool **samos[®] PLAN5+**. This free software makes programming even simpler, safer and more flexible.

With **samos[®] PRO COMPACT**, Wieland Electric has created a future-oriented standard for automation tasks, which will set a new benchmark in terms of time and cost savings.

Compact, efficient, safe

The compact module packs a punch: 16 safe inputs, four safe outputs, four safe configurable inputs/outputs and an exchangeable 512 MB program memory. The memory in SD card format is very easy to handle, thus saving time during commissioning, copying and in case service is required. Furthermore, an ample library of certified, powerful function blocks is available for programming the system using **samos[®] PLAN5+**.

Powerful and communicative

Integrated USB and Ethernet interfaces enable system access at any time. Industrial Ethernet protocols are integrated from the

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beginning, and other additional gateways for fieldbuses, if required, make integration into a wide variety of industrial networks absolutely straightforward. This ensures a higher level of transparency at the user's. Another benefit is remote maintenance of the system without any additional effort. To this effect, the online diagnostics and the system logbook which are integrated into the **samos**[®] PLAN5+ tool provide the user with support.

samos[®] PRO COMPACT is powerful and can also be used under harsh ambient conditions - thanks to its switching capacity of 4 A at every single output of the system and a temperature range of -25°C to +65°C.

A small module for big machines

samos[®] PRO COMPACT features modular expandability for up to 168 safe inputs and outputs. Thus, also big machines and plants can be automated safely. Users can respond to changing requirements at any time and in a straightforward way, this also being ensured by variable connection technology: all modules are available with either pluggable screw terminals or push-in terminals.

Safe and standard-compliant

To ensure safe operation of the system, all inputs and outputs feature unambiguously assigned visual displays which clearly indicate the operating status at any moment - this being both simple and efficient.

samos[®] PLAN5+ enables standard-compliant documentation of the machine by issuing a tailored report. Of course, the module meets all the relevant safety standards, including SIL CL 3 according to EN 62061 and PL e / category 4 according to EN ISO 13849-1.





Background

Wieland Electric was founded in Bamberg in 1910 and is the inventor of the secure electrical connection technology. Its range of products includes well above 20,000 components for industrial automation, building installation and building automation. For over 30 years, with the **gesis**[®] system, Wieland has been one of the world's frontrunners in the field of pluggable electrical installation for buildings. Its power bus system **podis**[®] lends itself for automation solutions. This modular system permits especially efficient local installation of logistics and transport systems. The family-owned company is a global player and has subsidiaries and sales organizations in Argentina, Belgium, China, Denmark, Germany, France, Great Britain, Italy, Japan, Canada, the Philippines, Poland, Romania, Russia, Spain, Switzerland, the Czech Republic and the USA and is represented in over 70 countries. The Wieland Group includes, in addition to the Wieland Electric GmbH, the STOCKO Contact GmbH & Co. KG (since 1998). Wieland Electric has been certified according to the Quality and Environmental Management Systems EN ISO 9001:2008, EN ISO 14001 and the EC Environmental Management and Audit Scheme EMAS.

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In the event of publication, we would be grateful for a specimen copy. Thank you!

