



more than automation
safe automation

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PRODUCT NEWS

Plug-in modules expand PNOZsigma safety relay contacts

Pilz Automation Technology is introducing two new modules in the PNOZsigma range of slimline safety relays to enable the number of contacts to be expanded considerably, thereby offering the potential for savings in cost and space compared with traditional safety relays.



The first of these modules, the PNOZ s7.1, features three normally-open safety contacts. It is connected - by means of a simple plug - to a PNOZsigma 'base unit' safety relay type PNOZ s1, s2, s3, s4, s5, s6 or s6.1. In addition, the PNOZ s7.1 incorporates a separate feedback loop that enables the 17.5mm wide module to be used as a standalone safety relay.

When a PNOZ s7.1 is used either as a standalone unit or with a PNOZsigma base unit, further expansion is possible by connecting a maximum of ten PNOZ s7.2 modules, each having four normally-open safety contacts and one normally-closed auxiliary contact. Alternatively, a PNOZ s7.2 can be connected to a base unit as a single expansion module. As with the PNOZ s7.1, the PNOZ s7.2 measures 17.5mm wide.

For applications requiring an even greater number of contacts, multiple PNOZ s7.1 modules can be used, each with a maximum of ten PNOZ s7.2 modules. The only additional requirement is that a 24V supply must be provided for each PNOZ s7.1 module. Although there is theoretically no limit to the number of PNOZ s7.1 expansion modules that can be

used, each one adds 20ms to the 50ms reaction time of the base unit. Care must therefore be taken to ensure the total reaction time remains acceptable.

Industries where the PNOZ s7.1 and PNOZ s7.2 modules are expected to prove particularly useful are automotive and paper. However, they are equally suitable for other industries where ten contacts or more are required.

The PNOZ s7.1 and PNOZ s7.2 expansion modules will be available from the end of February 2008 priced at approximately £75 and £82, respectively.

Please contact Pilz to request more information by emailing sales@pilz.co.uk or visit www.pilz.co.uk

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Note to editors

Pilz Automation Technology develops, manufactures and supplies process and automation control products for use wherever there is a requirement to ensure the safety of plant, personnel or the environment. Included in the range are: safety relays; configurable safety controllers; programmable safety systems (safety PLCs) for use with or without the SafetyBUS p safe, open industrial fieldbus network; mechanically actuated and non-contact guard switches; safety light curtains; 2D and 3D vision-based safety sensors; emergency stop switches; conventional and touchscreen operator interfaces; plus control and monitoring relays for non-safety applications.

In addition, Pilz provides safety-related services, such as training, engineering, consultancy and competence management. For 20 years Pilz has taken a leading role in educating the market with regard to safety legislation. This has been through seminars on legislation, software packages that assist with standards compliance and product selection, and publications. Pilz has produced six editions of the *Guide to Machinery Safety*, a *Guide to Programmable Safety Systems*, and publishes a free monthly email newsletter

Pilz Automation Technology is a wholly owned subsidiary of Pilz GmbH & Co KG, a family-owned German company with global operations. Since its foundation in 1948, Pilz has remained at the forefront of safety technology, launching the first safety relay the first programmable safety system, the first safe, open fieldbus system (SafetyBUS p), the first solid-state safety 'relay', the first software-configurable modular safety controller, and the first safe camera system for monitoring three-dimensional zones. Future developments will see safety technology being integrated more closely with standard control, such as in servo drives with safety functionality.

Editors should contact Pilz if they would prefer to receive future press releases electronically or by post.

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