

PRODUCT NEWS

New all-in-one safety gate switch and interlock

Pilz Automation Technology is launching a new PSENSlock device that combines the functions of a safety gate monitoring switch and interlock in one compact, robust unit. Suitable for mounting directly on 45mm extruded aluminium profiles, the PSENSlock is designed for applications up to EN/IEC 62061 SIL3 (safety integrity level 3), EN 954-1 Category 4, and EN ISO 13849-1 PLe (Performance Level e). Sealed to IP67, it can be used on a wide variety of machinery across a diverse range of industries.



The PSENSlock holds the gate closed by means of a long-life, maintenance-free electromagnet that achieves a holding force of 500N while drawing only 4.8W from a 24V DC supply. Thanks to the non-mechanical locking technology, the switch/lock and actuator can tolerate a maximum horizontal and vertical misalignment of 5mm.

Proven non-contact, coded transponder technology ensures that the safety switch function is virtually impossible to manipulate, while also ensuring a long life when used on guards that are opened frequently during normal operation of the machinery.

Double-sided, high-brightness LEDs aid troubleshooting and enable the PSENSlock to be mounted on left- or right-hinged guards. An M12 connector helps to make the unit quick and easy to install on the machine or to replace in the event of damage occurring. Dimensions are 122 x 45 x 44mm for the switch/locking component and 138 x 52 x 24mm for the actuator.

The PSEnSlock can be readily mounted on aluminium profiles for hinged guards, or Pilz can supply optional brackets for use on folding or sliding gates.

Please contact Pilz to request more information about the PSEnSlock combined safety switch/interlock by emailing sales@pilz.co.uk or visit www.pilz.co.uk.

-End-

Contact Points for Publication

Pilz Automation Technology

Telephone: 01536 460766

Fax: 01536 460866

E-mail: sales@pilz.co.uk

Website: www.pilz.co.uk

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.

Issued by:

Vanessa Smith
Pilz Automation Technology
Willow House
Medlicott Close
Corby
Northamptonshire
NN18 9NF

Tel: 01536 462202
Fax: 01536 460866
E-mail: v.smith@pilz.co.uk