

New Product from Pilz- PSENm-Lock

Pilz is adding PSENmlock to its range of safety switches. PSENmlock offers safety gate monitoring (also known as interlocking) and safe guard locking for the protection of personnel and processes to the highest levels up to PL e (of EN ISO 13849) in one device. It fully satisfies the requirements of the latest interlocking standard EN ISO 14119. The slimline yet robust design and the many different installation options make PSENmlock both flexible to use and easy to install.

PSENmlock is a reliable door guard switch both for small or large, light or heavy, swinging or sliding doors, gates, covers and flaps. Above and beyond these possible applications the flexibly mounted actuator ensures high tolerance compensation and unrestricted functionality even with sagging gates. Thanks to a bi-stable solenoid, the currentless guard locking system reduces the energy consumption of the safety gate system. Diagnostic data is easily identifiable in many installation positions: LEDs on three sides of the housing support user-friendly diagnostics whatever the installation situation.

Extremely strong

with a holding force of 7500 N and the integrated latching force of 30 N, the safety gate system prevents the guard from opening inadvertently. This makes PSENmlock particularly suitable for machines with a hazardous overrun that makes guard locking up to PL d or PL e absolutely essential, such as rotating knives, flywheels or robots. In addition, an integrated mechanical restart interlock prevents the guard locking system from being activated inadvertently, without the need for separate accessories. Not only does the restart interlock make operating the machine safer, it also prevents an inadvertent restart during maintenance operations!

The integration of RFID into the tongue actuator means that, in the unlikely event that it breaks off in the switch, such a failure is detected and a safe state is preserved. The outputs of the switch are cross-monitored semi-conductor types with short-circuit detection built in.

3 levels of coding are available, and a high level of protection against manipulation is assured.

Mounting plates and brackets are available for 40mm profile structural systems.

Contact Points for Publication

Natasha Sephton-Pike
Marketing & communications Manager
Pilz Automation Technology
Telephone: 01536 460766
E-mail: n.sephton-pike@pilz.co.uk
Website: www.pilz.co.uk