

Press Message

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Control unit PITgatebox from Pilz now with IO-Link Safety connection - Greater efficiency and safety for safety gate systems

Ostfildern, 28.10.2025 - **Automation expert Pilz is now expanding its IO-Link Safety System with the control unit PITgatebox IOLS. This means that plant and machinery can be controlled not only safely, but with greater ease and efficiency. PITgatebox IOLS transmits diagnostic data such as gate status and operating state of the safety gate systems directly to the plant controller in real-time, via IO-Link Safety Master. Users benefit from reduced maintenance and operating costs, as well as more efficient safety gate systems.**

Pilz is continuously expanding its IO-Link Safety portfolio: in addition to the first certified IO-Link Safety Master PDP67, the control unit PITgatebox IOLS has now been added to Pilz's IO-Link Safety System. This means that users of IO-Link technology can also implement safety tasks efficiently. As an open, standardised communication protocol, IO-Link Safety makes it easier to both commission and maintain plants. Intelligent diagnostic functions also enable early, centralised fault detection. This leads to higher availability and reduced downtimes.

All-inclusive protection for gates

Users can operate the PITgatebox IOLS as a stand-alone device or in conjunction with other safety switches, with and without guard locking. Thanks to IO-Link Safety, the configuration work needed for such applications is standardised and significantly reduced. What's more, the point-to-point connection simplifies wiring. With the option to connect Pilz safety switches such as PSENmlock, PSENslock 2 and PSENcode, plant operators have a one-stop modular safety gate solution tailored to their individual needs.

The control unit PITgatebox IOLS combines pushbuttons, key switches and E-STOP pushbuttons and is also individually configurable. As a result, implementation of safety gate systems is not only safe and efficient, but also flexible.

- [Further information on the product is available here](#)



Caption: Control plant and machinery live and safely: with PITgatebox IOLS, Pilz presents a new version of its control unit with IO-Link Safety technology. It offers added transparency and productivity. (Photo: © Pilz GmbH & Co. KG).

You can find texts and images for downloading at:

<https://www.pilz.com/en-INT/company/press/messages/articles/246980>

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.



<https://www.facebook.com/pilzINT>



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