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Press Message

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## **Safe small controller PNOZmulti 2 with new input and output modules PDP67 for decentralised periphery - Direct and robust “link” to the field**

Ostfildern, 02.10.2024 - **The safe small controller PNOZmulti 2 from Pilz offers two new input and output modules PDP67 in protection type IP67, for reliable and flexible decentralised communication in the field. Both new modules have either four 5-pin or two 5-pin and two 8-pin M12 plug-in connectors, via which they are installed directly on the machine. They reliably evaluate the signals from sensors and actuators connected in the field - such as E-STOPS for example. As a result, machines are safe and highly available.**

The new input/output modules with protection type IP67 enable faster commissioning, as there is no longer a need for complex cable routing from the field to the control cabinet. Users benefit from lower costs for expansions and commissioning. Modular machine concepts are easy to implement.

### **Equipped for both “standard” and special applications**

The two new modules are resistant to dirt and water. As a result they can also be used in rugged environments. The new versions with stainless steel screw connection are suitable for use in the food industry, for example. Users select the required PDP67 modules in the software tool PNOZmulti Configurator and then configure their own individual safety circuit. E-STOPS, safety gate switches, light curtains, safety locking devices or even valves can be monitored, for example.

### **Quick, easy expansion of modular production plants**

Up to four of the new modules can be connected to the safe configurable small controller PNOZmulti 2 via the link module PNOZ m EF PDP-Link. Up to four sensors and actuators can be safely monitored in the field with one PDP67 module. Up to 64 can be monitored in total. As a result, users have the flexibility to expand their decentralised periphery as needed. Four safe semiconductor outputs are also available for the new modules. These can be used to connect safe sensor technology directly. With standardised M12 connections, both modules ensure high flexibility when wiring modular production plants. As a result, the costs when expanding and commissioning modular production plants can be reduced.

### **Flexible connection for decentralised periphery**

The new module PDP67 F 8DI4DO 5/5 ION offers eight safe inputs and also four safe semiconductor outputs, which can be configured as standard, test pulse or 24 V outputs. Its application is more flexible as a result. For example, the E-STOP pushbuttons PITestop, the coded safety gate switches PSEncode or the safety light curtains PSENopt II from Pilz can be connected directly via four 5-pin M12 plug-in connectors.

The second new module PDP67 F 10DI4DO 5/8 ION provides two 5-pin and two 8-pin M12 plug-in connectors. The Pilz safety locking devices PSEnmlock or PSEnmlock mini can now be connected directly via the two 8-pin plug-in connectors. In addition, PSEnmlock safety locking devices can be connected in series, so that only one port needs to be used.

Pilz is expanding its product portfolio for decentralised applications with input and output modules PDP67 for the small controller PNOZmulti 2.

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



**Caption:** The safe configurable small controller PNOZmulti 2 from Pilz now offers two new input and output modules PDP67. They are installed directly on the machine and reliably evaluate the signals from sensors and actuators connected in the field. (Photo: © Pilz GmbH & Co. KG)

You can find texts and images for downloading at:

<https://www.pilz.com/en-INT/company/press/messages/articles/242832>

### **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.



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