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Press Message

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More efficiency and higher safety at presses! - Pilz expands the configurable safe small control systems PNOZmulti 2 by dual-pole semiconductor output modules PNOZ m EF 8DI2DOT

Ostfildern, 29.05.2018 - **Safe monitoring of mechanical presses is guaranteed by the new dual-pole semiconductor output module PNOZ m EF 8DI2DOT of the configurable safe small control systems PNOZmulti 2 from Pilz. This means that press safety valves and other actuators that require dual-pole switching can be controlled simply and flexibly. This enables not only safer, but also clearly more productive management of the operation of mechanical presses.**

The new dual-pole modules support the users who focus on the efficiency of their presses.

A module for all the safety functions

Many functions – one solution: The new dual-pole semiconductor output module has two safety outputs in semiconductor technology that serve the actuation of press safety valves or other actuators that require dual-pole switching. The eight inputs of the new module can be configured with an individual filter time to enable correct operation with a variety of input signals. Depending on the application, PL e in accordance with [EN ISO 13849-1](#) or SIL CL 3 in accordance with [IEC 62061](#) are achieved. In connection with one of the [PNOZmulti-2 base units](#) you can use the new semiconductor output module PNOZ m EF 8DI2DOT to [safely monitor the safety functions of a complete press](#).

Variety of "press" blocks

Certified press blocks in [the software tool PNOZmulti Configurator](#) render the use easy and economical. The configuration of operating modes such as setup mode, automatic and single-stroke, monitoring a mechanical rotary cam arrangement or an [electrosensitive protective equipment](#) is possible just as easily as the run monitoring to monitor the mechanical transmission for broken shearpin, the control of the press safety valve and the cycle initiation by a two-hand control device. Short engineering times during planning and project configuration help to save time and costs.

Everything in synchronisation also with more complex applications

Per expansion module, a separate module program mIQ is configured with fine-grained module-specific settings and 256 additional connection lines in the software tool. The user program consists of a main program and one or several module programs. The press elements are configured directly in the module program, the program processing then runs decentrally in the module, a clearly reduced cycle time by approx. 3 ms is achieved by this. The output actuation is very fast, and so reaction times with < 8 ms are possible. As a consequence, the presses can be switched off faster, which increases the safety for the operator.

Further information on the [expansion modules for the configurable control systems PNOZmulti 2](#)



Caption: The new dual-pole semiconductor output module PNOZ m EF 8DI2DOT of the configurable safe small control systems PNOZmulti 2 ensures the safety of a complete press.

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