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Press Message

New analogue input module for configurable safe small control system PNOZmulti 2 from Pilz optimises processes - temperature, fill level etc. recorded safely

Ostfildern, 12.07.2018 - **The new analogue input module PNOZ m EF 4AI expands the product range of configurable, safe small control systems PNOZmulti 2. It can be used to safely record and monitor any process up to PL e or SIL CL 3. One particular advantage is the separate module program (mIQ) with can be used to make fine-granular adjustments of the value. This ensures faster processing directly in the module, process monitoring is not only safer, but also more exact.**

Among other things, pressure, temperature, flow rate, distance and fill level, or also rope speed and load are reliably monitored. In addition, there are processes that include force conditions, bending operations or path measurement.

Intelligent support produces added value
The separate module program mIQ provides fast reaction times with its decentralised processing in the module. PNOZ m EF 4AI uses the software tool PNOZmulti Configurator to provide software blocks for input, plausibility, scaling and arithmetic functions. Even while configuring, the analogue measurement values can be scaled in numerical quantities with any unit. The limit value, range or working area monitoring can easily be parameterised via the software module with just a few mouse-clicks. The concept guarantees that the standard measurement range of sensors is safely maintained, then the widespread industry standards are easy-to-use. Overall, the module program enables simple project planning and a more exact and faster process monitoring.

Arbitrary application – highest safety
The new analogue input module provides four independent, safe analogue current inputs of 4 - 20 mA with a resolution of 15 bits plus sign bit. The measurement range is 0 - 25 mA. The analogue inputs are suitable for connecting transducers or encoders with standardised current signals.
To do this, the software tool PNOZmulti Configurator has been supplemented with numerous analogue blocks. You can use them to safely record and monitor any measured variables such as pressure, temperature, fill level, and distance up to the highest safety category.

Faster reaction time minimises downtimes
The arithmetic functions such as averaging, differential pressure calculation etc. facilitate the use and enable more exact and faster diagnostics. Up to six analogue values per module can be transferred to a fieldbus, so that processes can be accessed faster. In combination with the visualisation software PASvisu from Pilz, analogue values can be displayed and evaluated. Standstill times can also be minimised by this. When using PNOZmulti 2, users profit from fast configuration and commissioning.

In addition to its many different uses in series and special-purpose engineering or also in the food and beverage range, the use of the new analogue input module from Pilz is a benefit particularly for the manufacturing and process engineering, such as a burner controls.

More information on the product

Caption: *The analogue input module PNOZ m EF 4AI expands the product range of configurable small control systems PNOZmulti 2 from Pilz and it offers faster processing and optimised diagnostics.*

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