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Pilz GmbH & Co. KG
Felix-Wankel-Straße 2
73760 Ostfildern
Germany
https://www.pilz.com

Press Message

Small controller PNOZmulti 2: Expansions in the software tool PNOZmulti Configurator - New blocks for efficient automation

Ostfildern, 16.03.2021 - **New function blocks for simple configuration of safe user programs are available from software version 10.13 of the PNOZmulti Configurator software tool for the configurable small controller PNOZmulti 2. The package includes a new L-muting block for light curtain applications, new logic function blocks for safety gate solutions and for monitoring analogue functions, as well as blocks for more comprehensive coding and/or decoding.**

The new elements and expansions ensure that the diverse requirements for monitoring safety functions can be implemented with even greater efficiency.

Groundbreaking function block for logistics applications

As a new feature, light curtain applications can now also be implemented, where the material is to be transported in one direction only: From Version 10.13 it is possible to create these L-muting applications simply and safely via the PNOZmulti Configurator. In the current version this function is available in the muting function block, offering all the functions of L-muting, such as deactivation/activation of the light curtain and control of the muting lamp. So light curtain applications in logistics – such as monitoring conveyors and palletisers, controlling the outflow of packages – can be implemented with PNOZmulti 2 in a way that is more application-specific and therefore more productive and economical.

Logic block for guard locking
PNOZmulti 2 also offers an even more convenient safety gate solution in conjunction with the safety gate system PSENmlock from Pilz: A new logic block for configuring the signal sequence for guard locking on the safety gate system PSENmlock means that implementation of such solutions is now even easier. Users save on costs and effort, as there's no need for complex, elaborate parameter setting when controlling bistable (dual-channel operated) safety gate systems.

More efficient monitoring of analogue values
Multiplication and division of analogue values have been added to the “Mathematics” function for monitoring analogue functions. As a result, even more complex calculations for applications consisting of multiple analogue sensors can be handled clearly and simply.
The new block functions mean that monitoring of processes, temperatures, pressures or other analogue values can now also be managed in a comprehensive and uniform manner: from joint observation through to plausibility and offsetting, with container filling time for example. Users benefit from more flexible calculations, which can save time.

New function logic blocks for coding and decoding
There are also two new digital encoder and digital decoder logic function blocks, which are used to code and decode input signals and/or output signals. As a result, input signals can be coded and/or decoded to output signals, i.e. they can be converted into a binary-coded value and vice-versa. So connected devices with coded safe input or output signals can be monitored or controlled very quickly and simply, saving on effort and therefore time.

Find out more about the product here
www.pilz.com/pnozmulti-tools

Caption: *From Version 10.13 of the software tool PNOZmulti Configurator there are additional elements and expansion modules available for the configurable small controller. (Photo: Pilz GmbH & Co. KG)*

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https://www.pilz.com/en-US/company/press/messages/articles/227599

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Contact for journalists

Sara Cannistraro
Press contact

s.cannistraro@pilzusa.com