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

Press Message

The pressure-sensitive safety mat PSENmat from Pilz combines safe area monitoring with plant and machine operation - "virtual" control

Ostfildern, 27.10.2017 - **With PSENmat, the automation company Pilz is now introducing its own pressure-sensitive safety mat, developed in-house: A world first is the integrated position detection that provides the operator with a control function - similar to a virtual button. PSENmat thereby combines safe area monitoring with plant and machine operation in one sensor. It enables totally new machine control concepts.**

PSENmat from Pilz offers safe area monitoring in combination with a standard control function; in practice the switch functionality can be defined virtually. A separate switch is therefore redundant. This dynamic switch design enables a flexible configuration, which saves space and money. Integrated OSSD outputs ensure additional flexibility: As a result, the cabling can not only be reduced but the PSENmat is also easily connectible to any evaluation device.

Mat that protects

Beyond the individual control concepts, the pressure-sensitive safety provides optimum protection against access by people in accordance with the standard for pressure-sensitive safety mats, EN ISO 13856-1. PSENmat decelerates or stops the machine when the danger zone is accessed (access protection). With applications with poor visibility, there is also protection in the event of encroachment behind (protection against encroachment behind). PSENmat offers safety up to SIL 2 of EN ISO 61508 or safety level PL d of EN 13849. The very fast reaction time of ≤ 25 ms also increases safety. Larger applications can also be implemented with little additional work: Up to 22 mats can be connected in series, considerably reducing the cabling work. Furthermore, the robust pressure-sensitive safety mat, which is suitable for high mechanical load, is designed in accordance with protection type IP67 and can be used in ambient temperatures of 0 °C to +55 °C. So PSENmat ensures increased safety even in rugged environments.

Integrated switching for better ergonomics

The pressure-sensitive safety mat supports a more ergonomic workstation: Thanks to the integrated switch functionality, hands-free or even unobstructed working can be easily implemented. Through defined, marked mat areas, the operator can take advantage of the integrated switch functionality. As a result, a quality control check can be performed hands-free, for example: A red marking means “check not successful”, green could be used for “check successful”.

Mat “plus”

The new pressure-sensitive safety mat PSENmat rounds off the Pilz sensor technology range for monitoring areas and zones. PSENmat can be easily connected to the configurable safety systems PNOZmulti or the automation system PSS 4000 or even to the visualisation solution PMIvisu. When combined with Pilz control technology, you have a safe and economical complete one-stop solution.

Pilz is exhibiting in Hall 9, Stand 370. Further information at: www.pilz.com/sps-ipc-drives

Caption: *The pressure-sensitive safety mat PSENmat from Pilz combines safe area monitoring with machine operation.*

You can find texts and images at www.pilz.com also for downloading. To go directly to the relevant internet pages in the press centre, enter the following Web code in the search of the home page.: **188501**

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

https://twitter.com/Pilz_India

https://www.youtube.com/user/PilzINT

https://www.linkedin.com/company/pilz-india-pvt-ltd?report.success=KJ_KkFGTDCfMt-A7wV3Fn9Yvgwr02Kd6AZHGx4bQCDiP6-2rfP2oxyVoEQiPrcAQ7Bf

Contact for journalists

Press contact