

Never beaten: safe automation from Pilz.





The system for success

Solutions for plant and machine builders

Why do plant and machine builders rely on safety technology from Pilz? It's quite simple: Because with Pilz they are using a system for success and the right tactics.





Optimum coaching

Pilz Safety Services

Around the world plant and machine builders and operators trust in consulting and engineering from Pilz. For good reason, because we manage the risk for our customers and support them with the following coaching programme:

01 Safe machinery and systems

Use tailored services for certification in accordance with worldwide safety standards, such as Risk Assessment, Safety Concept, Safety Validation through to CE Marking.

02 Be at the top of your game

We take on your repeat testing of work equipment/safety devices.

03 Existing machinery more powerful

We offer convincing retrofit concepts with increased productivity.

04 With the right concept

Pilz ensures that your fleet of machines complies with your national standards and guidelines.

05 With the appropriate training schedule

Tailored training concepts mean your personnel are well coached in ensuring maximum availability and plant safety.

Pilz Safety Services



A well-rehearsed team

Configurable control systems PNOZmulti

PNOZmulti is the safety standard suitable for worldwide use for your plant and machinery and offers major cost benefits to companies operating internationally. Use the economical, flexible and safe solution:

- ▶ Implement a wide variety of applications thanks to the variety of modules (speed, semiconductor, relay, and many more besides).
- ▶ Use PNOZmulti as a powerful small control system with many different evaluation options using fieldbus and OPC server for established process control technology.
- ▶ Save time with rapid commissioning. When using the PNOZmulti Configurator you can repeatedly reuse software created once from certified modules or create your own macros that enable the configuration of large projects.
- ▶ Use the full flexibility thanks to communication options with all common fieldbus systems and adaptation to the widest range of control systems.

Expandable control system PSSuniversal multi

With the expandable system platform PSSuniversal multi you implement local safety while at the same time processing all standard signals of the respective automation systems:

- ▶ Implement a wide range of applications as up to 64 different I/O modules can be connected for each head module.
- ▶ Enjoy the benefits of a simplified installation and a reduction of the interfaces with only one peripheral system for safety and automation.
- ▶ With the Program Editor PASmulti you use software for safety and automation that includes a high level of reusability of program parts.



The basis

Decentralised modules and sensors

The input modules PDP67 are the safe decentralised wiring platform to protection type IP67. They are simple to incorporate into Pilz safety systems, enabling further, decentralised system expansion:

- ▶ Simple installation means less planning, design and installation work
- ▶ Connection options to different PNOZmulti modules
- ▶ Signal forwarding to up to four sensors
- ▶ Simple diagnostics due to a point-to-point connection between the modules

Safe sensors guarantee the efficient use of standard-compliant plant and machinery:

- ▶ Ready-to-install systems and universal compatible solutions offer high potential savings in project configuration, design, documentation and purchasing
- ▶ The magnetic safety switches PSENmag offer different sizes for flexible use

- ▶ The coded safety switches PSEncode offer economic series connection and the highest level of manipulation protection
- ▶ The safety gate systems PSEnlock and PSEnsgate offer safe position monitoring and guard locking in one system – electrosensitively, magnetically or mechanically
- ▶ The safety light curtains PSENopt offer finger, hand and body protection in accordance with EN/IEC 61496-1-2 as well as muting and blanking

The operating mode selector switch PITmode enables the operating mode to be switched safely and access authorisation to be controlled – two functions in one unit.

Press 3

1	PVIS
2	
3	
4	
5	

Start
System
Menu
Stop
Status

Diagnose: Press 1, Press 2, Press 3, Press 4, Press 5, Press 6

Message: No message, No message, Error message, No message, No message, No message

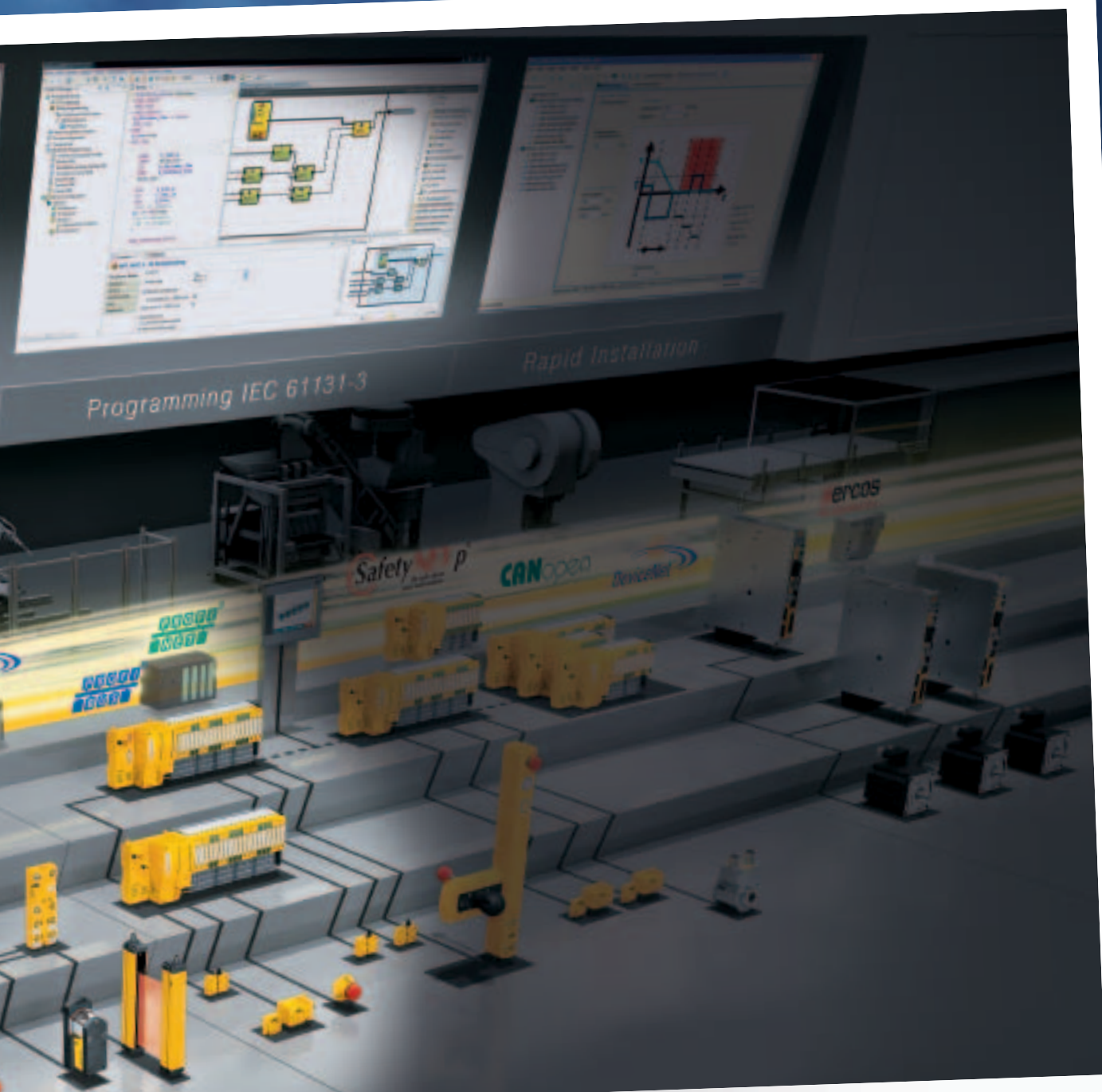
Error description: Stoppage via I/O-Block 0-STOP

A1 B1 C1 D1 A2 B2 C2 D2 A3 B3 C3 D3 A4 B4 C4 D4 S1

Full Diagnostics; OPC Server

Easy to Configure





Automation: complete and simple!

- ▶ Configuration is simple with the PNOZmulti Configurator
- ▶ High plant availability and short downtimes thanks to detailed diagnostic options
- ▶ A high degree of market success thanks to a complete system





The venues

We are represented around the world.

- ▶ Australia ▶ Austria ▶ Belgium ▶ Brazil
- ▶ Canada ▶ China ▶ Czech Republic ▶ Denmark
- ▶ Finland ▶ France ▶ Germany ▶ Great Britain
- ▶ India ▶ Ireland ▶ Italy ▶ Japan ▶ Luxembourg
- ▶ Mexico ▶ Netherlands ▶ New Zealand ▶ Poland
- ▶ Portugal ▶ Russian Federation ▶ Slovakia
- ▶ South Korea ▶ Spain ▶ Sweden ▶ Switzerland
- ▶ Taiwan ▶ Turkey ▶ USA

In many countries we are represented by sales partners.
Please refer to our Homepage for further details or
contact our headquarters.

You can reach our international hotline on:

+49 711 3409-444, support@pilz.com



Pilz GmbH & Co. KG
Felix-Wankel-Straße 2, 73760 Ostfildern, Germany
Telephone: +49 711 3409 -0, Fax: +49 711 3409-133
info@pilz.com, www.pilz.com

pilz
the spirit of safety

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