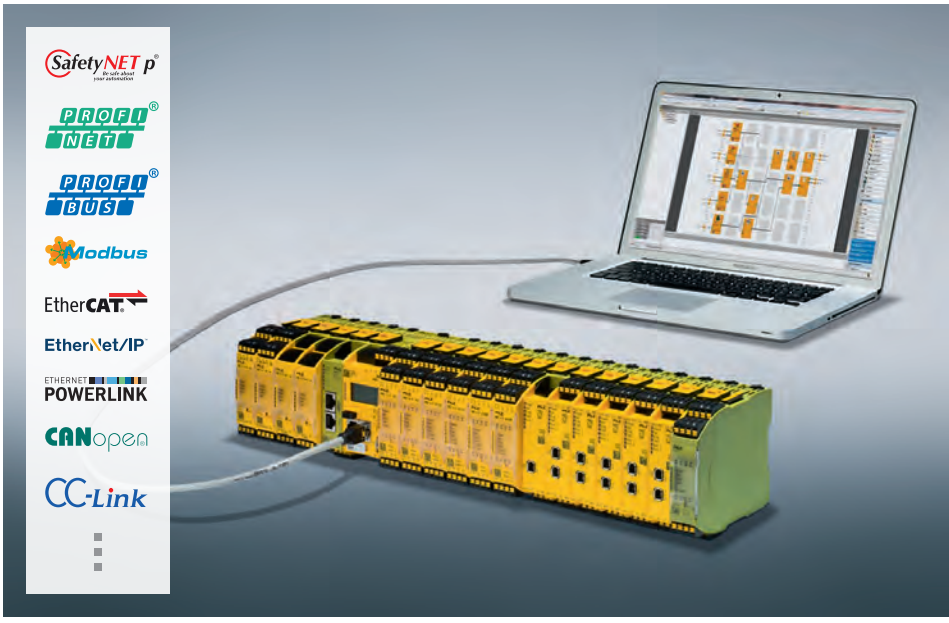
Configurable safe small controllers
PNOZmulti 2 – the success story continues!

PNOZmulti 2

The configurable safe small controllers PNOZmulti have been on the market since 2002 and are now in use in hundreds of thousands of applications. Users worldwide trust the market leader in configurable safety controllers! Pilz continues to write the success story. 2nd generation PNOZmulti offers the right solution for your automation task and is as easy to use as a safety relay, but as flexible as a programmable controller!

The "classic" PNOZmulti base units have shrunk to a width of 45 mm – with full functionality – and given an illuminated display. The modular structure is as flexible as your application. Safe analog input modules, dual-pole output modules, motion monitoring modules and many more offer extensive possibilities for implementing state-of-the-art safety applications.

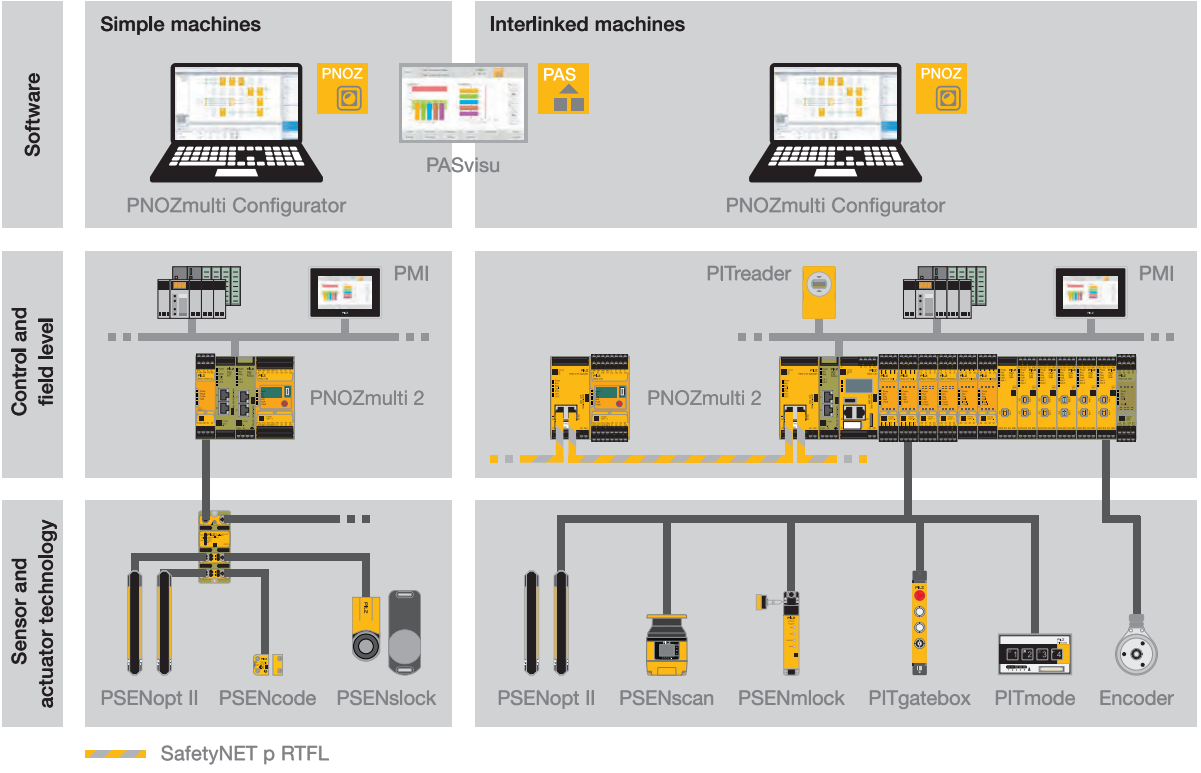


Your benefits at a glance

- Cost-effective and long-lasting: worldwide safety standard for many automation environments and communication systems
- Flexible: configuration with certified software modules, inputs and outputs are freely configurable
- Just one software application from planning to maintenance
- Easy modifications and adjustments of the user program
- Customized costs: exact adaptation to your application using certified expansion modules
- Minimal machine downtimes and high plant availability through simple, comprehensive diagnostics and user-friendly, web-based visualization
- Maximum safety – up to PL e and SIL CL 3, depending on the application
- Fast commissioning thanks to simple wiring with plug-in terminals
- Potential for rationalization because safety components cover automation tasks

Configurable safe small controllers
PNOZmulti 2 – worldwide safety standard

Count on the bestseller and the worldwide safety standard for all machine types. The simple, graphics configuration tool saves engineering costs because you can create your user program simply and intuitively on the PC. User-friendly, web-based visualization and simple diagnostics options reduce downtimes. While others are still wiring, you are already producing – safely!



Modular and flexible

The configurable safe small controllers are suitable for both simple machines and large automation projects. In combination with the web-based visualization software PASvisu, the diagnostics and visualization panels PMIvisu, the safe sensor technology PSEN, the operator devices PIT and the decentralized periphery PDP67, you get a totally compatible, complete solution for your automation tasks. A wide range of expansion modules such as analog input modules, dual-pole output modules, motion monitoring modules, input and output modules as well as connection modules offer you maximum flexibility in your application.

Safe and simple

The software tool PNOZmulti Configurator will impress you with its simple operation: install, open, work intuitively. Once user programs have been created, they can be flexibly adapted and reused again and again. A wide range of diagnostic options ensures short downtimes for your plant and machinery. All you need is just one software application from planning to maintenance. As a worldwide safety standard for numerous automation environments and communication systems, PNOZmulti 2 also protects your plant and machinery safely and in compliance with standards up to PL e/SIL CL 3.

Webcode: web150500

Online information at www.pilz.com

Configurable safe small controllers PNOZmulti 2

PNOZ m B1

PNOZ m B0

PNOZ m EF 4AI

PNOZ m EF 8DI2DOT

PNOZ m ES 14DO

PNOZ m EF SafetyNET

PNOZ

PNOZmulti Configurator

Type	Technical features	Order number[1)]
PNOZ m B1	Base unit – for large-scale projects ▸ Fine granularity due to the number/type of expansion modules used ▸ Modbus TCP on board ▸ 2 ETH interfaces ▸ USB stick ▸ Up to 12 safe modules can be mounted in a row on the right side ▸ 1 standard output module	772 101
PNOZ m B0	Base unit – the universal one ▸ 20 safe inputs ▸ Up to 8 can be configured as standard outputs ▸ 4 safe semiconductor outputs ▸ USB connection ▸ Chip card ▸ Up to 6 safe modules can be mounted in a row on the right side	772 100
PNOZ m EF 4AI	Analog input module ▸ 4 safe analog inputs	772 160
PNOZ m EF 8DI2DOT	2-pole, semiconductor output module ▸ 8 digital inputs ▸ 2 2-pole semiconductor outputs	772 144
PNOZ m EF 2MM	Safe motion monitoring module ▸ Monitors 2 axes	772 171
PNOZ m EF 1MM	Safe motion monitoring module ▸ Monitors 1 axis	772 170
PNOZ m EF 16DI	Safe input module ▸ 16 safe inputs	772 140
PNOZ m EF 8DI4DO	Safe input/semiconductor output module ▸ 8 safe inputs ▸ 4 safe semiconductor outputs	772 142
PNOZ m EF 4DI4DOR	Safe input/relay output module ▸ 4 safe inputs ▸ 4 safe relay outputs	772 143
PNOZ m ES 14DO	Output module for standard applications ▸ 14 semiconductor outputs for non-safety-related applications ▸ Can be connected to PNOZ m B1	772 181
PNOZ m EF SafetyNET	Connection module for safe communication via the real-time Ethernet SafetyNET p ▸ Up to 16 PNOZmulti 2 systems in linear topology ▸ Exchange of 32-bit data via RTFL	772 122
PNOZ m EF Multi Link	Link module for safe point-to-point connection between 2 base units	772 120
PNOZ m EF PDP Link	Link module for safe connection of 1 base unit to up to 4 decentralized modules PDP67	772 121
PDP67 F 8DI ION/ PDP67 F 8DI ION HP	Digital input modules	Webcode web87287
Fieldbus and communication modules	▸ Fieldbus modules for connection to PROFINET, PROFIBUS, EtherCAT, EtherNet/IP, POWERLINK, CANopen, CC-Link ▸ Communication modules with ETH or RS232 interface for PNOZ m B0	Webcode web84866
PNOZmulti Configurator	▸ Software tool for project planning ▸ Configuration, documentation and commissioning	Webcode web150399

Webcode: web150500

Online information at www.pilz.us

[1)] Please note that there are mandatory accessories such as terminals, chip cards or cables. You can find them in our e-shop at www.pilz.com

Support

Technical support is available from Pilz round the clock.

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For local sales and support:

HTE AUTOMATION
a business unit of HTE Technologies

https://shop.htetechnologies.com
www.hteautomation.com

800-444-4831

Pilz develops environmentally-friendly products using ecological materials and energy-saving technologies. Offices and production facilities are ecologically designed, environmentally-aware and energy-saving. So Pilz offers sustainability, plus the security of using energy-efficient products and environmentally-friendly solutions.

Energy saving by Pilz

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SYSTEMS
SERVICES
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Safe Economical

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DIN EN ISO 9001
REG. NO. 2462

Please refer to our homepage www.pilz.us for further details or contact our US headquarters.

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