

► Safe small controllers PNOZmulti 2 – standalone base unit PNOZ m C0

NEW

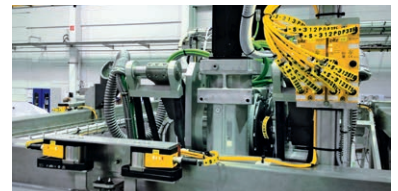


Small, but packs a punch! The new standalone base unit from the small controllers PNOZmulti 2 product range offers plenty of functions in a compact housing. 8 safe inputs and 4 safe semiconductor outputs over a width of 22.5 mm monitor safety functions on small machines. Depending on the application, you can reach PL e or SIL CL 3. Create your safety circuit using the software tool PNOZmulti Configurator. There are no licence costs to pay and it gives you access to a whole bundle of approved software blocks. Whether emergency stop, safety gate monitoring, light curtain or two-hand operation, see for yourself how the software tool PNOZmulti Configurator realises your safety requirements simply, flexibly and intuitively. The safety configuration only takes a few clicks. You can use PNOZmulti regardless of the machine type, plant type, country or branch of industry. If the number of safety functions on your machine rises, you can migrate to the modular expandable base units: PNOZ m B0, PNOZ m B0.1 or PNOZ m B1. Even after 20 years on the market, you still say “Many functions – One solution!”



Your benefits at a glance

- Maximum flexibility: Inputs and outputs can be freely configured in the software tool PNOZmulti Configurator
- Large bundle of software blocks for monitoring safety functions up to PL e/SIL CL 3
- Customised costs: as narrow as a safety relay, as powerful as a programmable safety system
- Create safety architecture and use it independently of the controller
- Saves lots of space in the control cabinet due to the compact design



Configurable safe, small controllers PNOZmulti 2 – standalone base unit PNOZ m C0



PNOZ m C0



PNOZ m C0
Detail



PNOZmulti
Configurator

Technical features

- ▶ Standalone base unit, not modular and expandable
- ▶ Can be configured in PNOZmulti Configurator from Version 11.1
- ▶ 8 safe inputs, up to 2 can be configured as auxiliary outputs
- ▶ For the connection of safe sensors PSEN, E-STOP pushbuttons, two-hand pushbuttons, safety gate limit switches, start buttons, light curtains, scanners, enabling switches, operating mode selector switches, and many more
- ▶ 4 safe semiconductor outputs, depending on the application up to PL e and SIL CL 3
- ▶ 2 test pulse outputs, both of which can be configured as standard outputs
- ▶ LED for: error messages, diagnostics, supply voltage, output circuits, input circuits
- ▶ Monitoring of shorts across contacts by means of test pulse outputs at the inputs
- ▶ Monitoring of shorts between the safety outputs
- ▶ Supply voltage: 24 VDC
- ▶ Safety circuit can be transferred directly to the unit via a USB cable and stored directly there, or alternatively on the chip card
- ▶ Safety-related characteristic data: depending on the application, up to PL e of EN ISO 13849-1 and up to SIL CL 3 of EN IEC 62061
- ▶ Certifications: CE, TÜV; others in progress (EAC (Eurasia), KOSHA, cULus listed)
- ▶ Dimensions (H x W x D) in mm: 101.4 x 22.5 x 120

Order number

PNOZ m C0	772 105
▶ Plug-in spring-loaded terminals	751 004
▶ Plug-in screw terminals	750 004
Optional accessories	
▶ Mini USB cable	
- 3 m	312992
- 5 m	312993
▶ Chip card (x 1)	
- 8 kByte	779201
- 32 kByte	779211

Safe small controllers PNOZmulti 2 – overview of base units



PNOZ m C0 – the compact option
8 inputs, 4 semiconductor outputs, not modular and expandable



PNOZ m B0 – the universal option
20 inputs, 4 semiconductor outputs, can be expanded with max. 6 I/O modules



PNOZ m B0.1 – for small to medium-sized applications
As PNOZ m B0, can be expanded with max. 1 I/O module



PNOZ m B1 – for large projects
Can be expanded via max. 12 safe I/O modules and 1 standard output module



PNOZ m B1 burner – for industrial burner management
As PNOZ m B1, additional special burner management function block



PNOZmulti 2 base units:

Webcode: web2253511

Software tool PNOZmulti Configurator:

Webcode: web2253441

Online information at www.pilz.com

- Can be expanded with safe link modules, communication and fieldbus modules. For further technical details please refer to the technical catalogue PNOZmulti, link at www.pilz.com, Webcode: web225256