

## PNOZ m B0.1

772104



Configurable safe small controllers PNOZmulti 2, base unit, expandable with digital input/output modules, 20 safe inputs, 4 safe semiconductor outputs.

## Technical details

### General data

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Approval:          | CE, UKCA, cULus Listed, KOSHA, EAC (Eurasian), TÜV |
| Application range: | Failsafe                                           |

### Technical data

#### Electrical data

|                            |                                  |
|----------------------------|----------------------------------|
| Purpose of U1:             | System supply                    |
| Supply voltage (V):        | 24 - 24 V                        |
| Type of supply voltage U1: | DC                               |
| Device circuit breaker U1: | 6 A, automatic, Char.B           |
| Purpose of U2:             | Supply of SC outputs             |
| Supply voltage 2 (V):      | 24 - 24 V                        |
| Type of supply voltage U2: | DC                               |
| Potential isolation U2:    | Yes                              |
| Permitted loads:           | Resistive, Inductive, Capacitive |

#### Configurable inputs/outputs

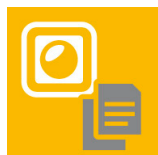
|                                 |                   |
|---------------------------------|-------------------|
| Number of configurable I/Os:    | 8                 |
| Potential isolation of IO:      | No                |
| Short circ. prot. n/safe S/C O: | Yes               |
| Voltage at 1 n/safe S/C O:      | UB - 2 V at 0.1 A |

### Inputs

|                                 |                              |
|---------------------------------|------------------------------|
| U input to EN 61131-2 Type 1:   | 24 V DC                      |
| Potential isolation input:      | No                           |
| Semiconductor outputs           |                              |
| Potential isolation of S/C O:   | Yes                          |
| S/C output short circuit proof: | Yes                          |
| Test clock outputs              |                              |
| Number of test pulse outputs:   | 4                            |
| Environmental data              |                              |
| Ambient temperature standard:   | EN 60068-2-14                |
| Ambient temperature:            | 0 - 0 °C                     |
| Storage temperature standard:   | EN 60068-2-1/-2              |
| Climatic suitability standard:  | EN 60068-2-30, EN 60068-2-78 |
| Condensation permitted?:        | Not permitted                |
| Perm. operating height ASL:     | 2000 m                       |
| EMC to standard ...:            | EN 61131-2                   |
| Vibration to standard ...:      | EN 60068-2-6                 |
| Acc. shock to standard1:        | 15g                          |
| Clearance & creepage dist. to:  | EN 61131-2                   |
| Overvoltage category:           | II                           |
| Pollution degree clear.&creep.: | 2                            |
| Protection type standard:       | EN 60529                     |
| Potential separation            |                              |
| Potential isolation 1 between:  | SC output and system voltage |
| Type of potential isolation 1:  | Basic insulation             |
| Mechanical data                 |                              |
| Mounting position:              | horizontal on top hat rail   |
| Housing material lower section: | PC                           |
| Housing material front plate:   | PC                           |
| Housing material upper part:    | PC                           |

|                                |                                        |
|--------------------------------|----------------------------------------|
| Connection terminal:           | Spring-loaded terminal, Screw terminal |
| Terminal style:                | plug-in                                |
| Flex. cond. c/s AWG info:      | 24 - 12 AWG                            |
| Height dimension:              | 101.4 mm                               |
| Width dimension:               | 45 mm                                  |
| Depth dimension:               | 120 mm                                 |
| Net weight:                    | 220 g                                  |
| Gross weight:                  | 230 g                                  |
| Environment                    |                                        |
| WEEE classification (08/2018): | 5 devices (feed size < 50cm)           |
| Commercial data                |                                        |
| Harmonized System Code:        | 85371091                               |
| EAN-Code:                      | 4046548103632                          |
| ECLASS version:                | ECLASS-13                              |
| ECLASS Reference Feature:      | 27242207                               |
| ETIM Version:                  | ETIM-9.0                               |
| ETIM Reference Group:          | EG000024                               |
| ETIM Reference Feature:        | EC000236                               |
| Volume:                        | 0 dm3                                  |

## Obligatory accessories



773010B

Basic Licence for PNOZmulti Config.



779211

Chipcard 1 piece 32kB



779201

PNOZmulti Chipcard 1 piece 8kb



751008

PNOZ s Set1 spring loaded terminals 45mm



750008

PNOZ s Set1 screw terminals 45mm