

## PNOZ mm0p-T

772010



Configurable safe compact controllers PNOZmulti Mini, base unit, not expandable, for expanded ambient conditions, 20 safe digital inputs, 4 safe semiconductor outputs, no display.

## Technical details

### General data

Approval: CE, UKCA, cULus Listed, KCC, KOSHA, TÜV, EAC (Eurasian)

### Technical data

#### Electrical data

Purpose of U1: System supply

Supply voltage (V): 24 - 24 V

Type of supply voltage U1: DC

Power consumption DC: 35 W

Purpose of U2: Supply of SC outputs

Supply voltage 2 (V): 24 - 24 V

Type of supply voltage U2: DC

Potential isolation U2: Yes

#### Configurable inputs/outputs

Number of configurable I/Os: 8

Potential isolation of IO: No

Galv. isol. config. I/O: No

Signal level at input at 1: 15 ... 30 V DC

Signal level at input at 0: -3 ... +5 V DC

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                          |                                |
|---------------------------------|--------------------------------|
| Signal level at input at 0:     | -3 - +5 VDC                    |
| U input to EN 61131-2 Type 1:   | 24 V DC                        |
| Potential isolation input:      | No                             |
| Semiconductor outputs           |                                |
| Number of semicond. outputs:    | 4                              |
| 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:            | -25 - +25 °C                   |
| Storage temperature standard:   | EN 60068-2-1/-2                |
| Climatic suitability standard:  | EN 60068-2-30, EN 60068-2-78   |
| Humidity rating:                | 93 % r. h. at 40 °C            |
| Condensation permitted?:        | at prot. xtra low volt.: brief |
| Perm. operating height ASL:     | 2000 m                         |
| EMC to standard ...:            | EN 61131-2                     |
| Vibration to standard ...:      | EN 60068-2-6                   |
| Acc. shock to standard1:        | 15g                            |
| Acc. shock to standard2:        | 25g                            |
| 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             |
| DIN-rail dimensions:            | 35 x 7.5 EN 50022                      |
| Housing material lower section: | PC                                     |
| Housing material front plate:   | PC                                     |
| Housing material upper part:    | PC                                     |
| Connection terminal:            | Spring-loaded terminal, Screw terminal |
| Flex. cond. c/s AWG info:       | 24 - 12 AWG                            |
| Height dimension:               | 100 mm                                 |
| Width dimension:                | 45 mm                                  |
| Depth dimension:                | 120 mm                                 |
| Net weight:                     | 230 g                                  |
| Gross weight:                   | 245 g                                  |
| Environment                     |                                        |
| REACH compliance:               | contains min. 1 SVHC-substance         |
| WEEE classification (08/2018):  | 5 devices (feed size < 50cm)           |
| Commercial data                 |                                        |
| Harmonized System Code:         | 85371091                               |
| UNSPSC 25:                      | 39122331                               |
| EAN-Code:                       | 4046548057621                          |
| ECLASS version:                 | ECLASS-13                              |
| ECLASS Reference Feature:       | 27242207                               |
| ETIM Version:                   | ETIM-9.0                               |
| ETIM Reference Group:           | EG000024                               |
| ETIM Reference Feature:         | EC000236                               |
| Volume:                         | 0.634                                  |

## Obligatory accessories



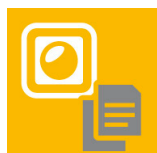
779211

Chipcard 1 piece 32kB



779201

PNOZmulti Chipcard 1 piece 8kb



773010L

Lite Licence for PNOZmulti Config.



751008

PNOZ s Set1spring loaded terminals 45mm



750008

PNOZ s Set1screw terminals 45mm

## Optional accessories



779200

PNOZmulti Chipcard Set 10 piece 8KB



750020

PNOZ s connector (10 pieces)



779261

PNOZ mm0.xp terminator left (10 pcs.)



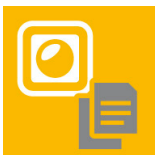
779240

PNOZmulti Chipcard Holder (Sparepart)



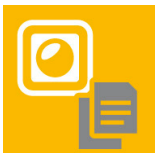
773010V

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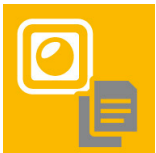
773010U

Basic Upgr Licence for PNOZmulti Config



773010B

Basic Licence for PNOZmulti Config.



773010K

User Licence for PNOZmulti Config



750010

PNOZ s terminator plug ( 10 pieces)



779212

PNOZmulti Chipcard Set 10 pieces 32kB



779250

PNOZmulti Seal 12 pieces



779230

PNOZ Chip Card Reader



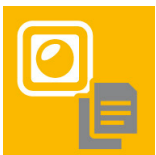
312993

PSSu A USB-CAB05



773011U

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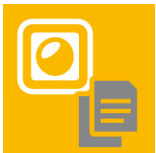
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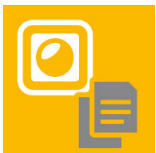
312992

PSSu A USB-CAB03



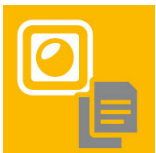
773011B

Basic Licence for PNOZmulti Service



773011K

User Licence for PNOZmulti Service



773011L

Lite Licence for PNOZmulti Service