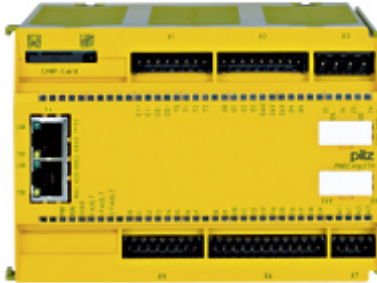


PNOZ m1p ETH

773103



Configurable safe small controllers PNOZmulti Classic, base unit, expandable, 2 Ethernet / Modbus TCP interfaces, 20 safe digital inputs, 4 safe semiconductor outputs, 2 safe relay outputs.

Technical details

General data

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

Technical data

Electrical data

Purpose of U1: System supply

Supply voltage (V): 24 - 24 V

Type of supply voltage U1: DC

Purpose of U2: Supply of SC outputs

Supply voltage 2 (V): 24 - 24 V

Type of supply voltage U2: DC

Potential isolation U2: Yes

Inputs

Max. no. live inputs: $U_B \leq 26.4 \text{ V} : 20$, $U_B > 26.4 \text{ V} : 15$

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

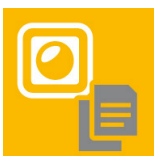
S/C output short circuit proof: Yes

| Semiconductor outputs (standard) | |
|-------------------------------------|------------------------------|
| Number of auxiliary outputs: | 1 |
| Galv. isol. n/safe SC O: | Yes |
| Short circ. prot. n/safe S/C O: | Yes |
| Signal level at 1 n/safe S/C O: | UB - 0.5 VDC at 0.5 A |
| Test clock outputs | |
| Number of test pulse outputs: | 4 |
| Relay outputs | |
| Number of relay outputs: | 2 |
| Utilisation cat. AC/DC1 stand.: | EN 60947-4-1 |
| Voltage AC1 safety cont.: | 240 V |
| Max. current AC1 safety cont.: | 6 A |
| Voltage DC1 safety cont.: | 24 V |
| Max. current DC1 safety cont.: | 6 A |
| Utilisation cat. AC15/DC13sta.: | EN 60947-5-1 |
| Voltage AC15 safety cont.: | 230 V |
| Max. current AC15 safety cont.: | 3 A |
| Voltage DC13 safety cont.: | 24 V |
| Pot. isolation relay outputs: | Yes |
| Cascading output as standard output | |
| Number of cascading outputs: | 1 |
| Galv. isol. casc. aux. S/C O: | No |
| CANopen interface | |
| Number of Ethernet interfaces: | 2 |
| Environmental data | |
| Ambient temperature standard: | EN 60068-2-14 |
| Ambient temperature: | 0 - 60 °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?: | 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: | III |
| 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: | Safe separation |
| Potential isolation 2 between: | RL output and system voltage |
| Type of potential isolation 2: | Safe separation |
| Mechanical data | |
| Mounting position: | horizontal on top hat rail |
| DIN-rail dimensions: | 35 x 7.5 EN 50022 |
| Housing material lower section: | PPO UL 94 V0 |
| Housing material front plate: | ABS UL 94 V0 |
| Connection terminal: | Screw terminal, Spring-loaded terminal |
| Flex. cond. c/s AWG info: | 24 - 16 AWG |
| Cond.flex AWG w/o crimp conn.: | 24 - 12 AWG |
| Height dimension: | 94 mm |
| Width dimension: | 135 mm |
| Depth dimension: | 121 mm |
| Net weight: | 518 g |
| Gross weight: | 537 g |
| Environment | |

| | |
|--------------------------------|--------------------------------|
| RoHS directive: | 2011/65/EU, 2015/863/EU |
| RoHS conformity: | yes |
| RoHS exceptions: | yes |
| RoHS except.s acc. to direct.: | 7a, 6c, 7c I |
| REACH compliance: | contains min. 1 SVHC-substance |
| REACH included substances: | Lead, Lead oxide |
| %-part of the pollutant: | > 0,1 |
| CAS No.: | 7439-92-1, 1317-36-8 |
| WEEE classification (08/2018): | 5 devices (feed size < 50cm) |
| SCIP entry available: | 0 |
| Commercial data | |
| Harmonized System Code: | 85371091 |
| UNSPSC 25: | 39122331 |
| EAN-Code: | 4046548061239 |
| ECLASS version: | ECLASS-13 |
| ECLASS Reference Feature: | 27242207 |
| ETIM Version: | ETIM-9.0 |
| ETIM Reference Group: | EG000024 |
| ETIM Reference Feature: | EC000236 |
| Volume: | 1.680 dm ³ |

Obligatory accessories



773010B

Basic Licence for PNOZmulti Config.



779211

Chipcard 1 piece 32kB

793100

PNOZ m1p/m0p plug in screw terminals



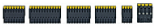
779201

PNOZmulti Chipcard 1 piece 8kb



783100

PNOZ m1p Set spring loaded terminals



Optional accessories

779200

PNOZmulti Chipcard Set 10 piece 8KB



773010L

Lite Licence for PNOZmulti Config.



779212

PNOZmulti Chipcard Set 10 pieces 32kB



779250

PNOZmulti Seal 12 pieces



779240

PNOZmulti Chipcard Holder (Sparepart)





779230

PNOZ Chip Card Reader



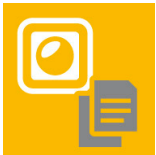
779000

PNOZmulti Tool Kit



779110

PNOZmulti Bus-Terminator



773010V

User Upgr Licence for PNOZmulti Config



773011U

Basic Upgr Licence for PNOZmulti Service



773010U

Basic Upgr Licence for PNOZmulti Config



773011V

User Upgr Licence for PNOZmulti Service



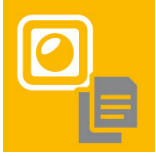
774639

KOP-XE



773011B

Basic Licence for PNOZmulti Service



773011K

User Licence for PNOZmulti Service



773010K

User Licence for PNOZmulti Config



773011L

Lite Licence for PNOZmulti Service