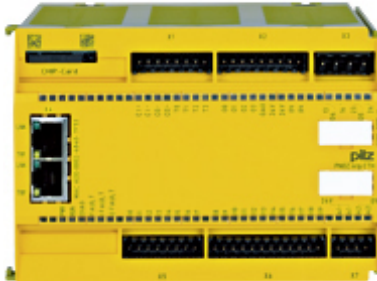


PNOZ m1p ETH

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. Important information: This item is at the end of the product lifecycle and therefore will no longer be available in the foreseeable future. Please get in touch with your PILZ contact to find a suitable alternative or successor product.

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 U2: 24 - 24 V

Type of supply voltage U2: DC

Potential isolation U2: Yes

Inputs

Max. no. live inputs: U_B ≤ 26.4 V : 20, U_B > 26.4 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

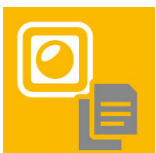
S/C output short circuit proof: Yes

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
Ethernet 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
Protection type, housing:	IP20
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
SCIP entry available:	yes
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242207
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC000236
UNSPSC 25:	39122331
GTIN:	4046548061239
Volume:	1.680 dm3
Harmonized System Code:	85371091
Type of tariff number:	TARIC
Use of customs tariff number:	Ausfuhr, Einfuhr

Obligatory accessories



773010B

Basic Licence for PNOZmulti Config.



779201

PNOZmulti Chipcard 1 piece 8kb



779211

Chipcard 1 piece 32kB



783100

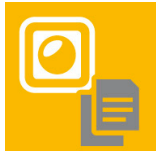
PNOZ m1p Set spring loaded terminals



793100

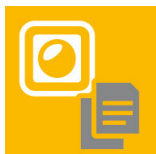
PNOZ m1p/m0p plug in screw terminals

Optional accessories



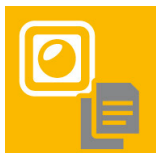
773010K

User Licence for PNOZmulti Config



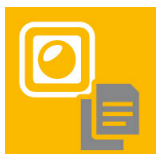
773010L

Lite Licence for PNOZmulti Config.



773010U

Basic Upgr Licence for PNOZmulti Config



773010V

User Upgr Licence for PNOZmulti Config



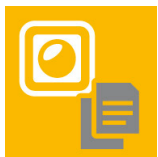
773011B

Basic Licence for PNOZmulti Service



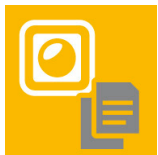
773011K

User Licence for PNOZmulti Service



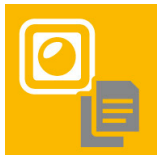
773011L

Lite Licence for PNOZmulti Service



773011U

Basic Upgr Licence for PNOZmulti Service



773011V

User Upgr Licence for PNOZmulti Service



774639

KOP-XE



779000

PNOZmulti Tool Kit



779110

PNOZmulti Bus-Terminator



779200

PNOZmulti Chipcard Set 10 piece 8KB



779212

PNOZmulti Chipcard Set 10 pieces 32kB



779230

PNOZ Chip Card Reader



779240

PNOZmulti Chipcard Holder (Sparepart)



779250

PNOZmulti Seal 12 pieces