

## PNOZ m1p base unit coated version

773105



Configurable safe small controllers PNOZmulti Classic, base unit, expandable, serial interface RS232, 20 safe digital inputs, 4 safe semiconductor outputs, 2 safe relay outputs, for enhanced environmental requirements.

## Technical details

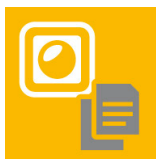
General data	
Approval:	CE, UKCA, cULus Listed, KCC, KOSHA, EAC (Eurasian), TÜV
Technical data	
Electrical data	
Purpose of U1:	System supply
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Purpose of U2:	Supply of SC outputs
Supply voltage 2 (V):	24 - 24 V
Type of supply voltage U2:	DC
Potential isolation U2:	Yes
Inputs	
Max. no. live inputs:	U <sub>B</sub> ≤ 26.4 V : 20, U <sub>B</sub> > 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
Serial interface	
Number of RS 232 interfaces:	1
Environmental data	
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	-25 - 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?:	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
Broad band noise to:	EN 60068-2-64
Corrosive gas check SO <sub>2</sub> :	DIN V 40046-36
Corrosive gas check H <sub>2</sub> S:	DIN V 40046-37
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:	519 g
Gross weight:	538 g
<b>Environment</b>	
REACH compliance:	contains min. 1 SVHC-substance
WEEE classification (08/2018):	5 devices (feed size < 50cm)
<b>Commercial data</b>	
Harmonized System Code:	85371091
UNSPSC 25:	39122331
EAN-Code:	4046548013160
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 <sup>3</sup>

## 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



305160

PSS Conv USB / RS 232



783100

PNOZ m1p Set spring loaded terminals

## Optional accessories

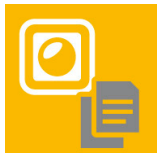


779200

PNOZmulti Chipcard Set 10 piece 8KB

779112

PNOZmulti Bus-Terminator coated



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



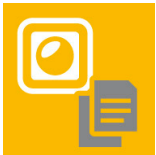
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PNOZmulti Tool Kit



773010V

User Upgr Licence for PNOZmulti Config



773011U

Basic Upgr Licence for PNOZmulti Service



773010U

Basic Upgr Licence for PNOZmulti Config



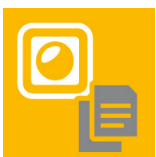
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User Upgr Licence for PNOZmulti Service



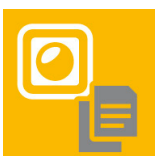
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KOP-XE



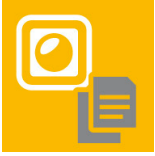
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Basic Licence for PNOZmulti Service



773011K

User Licence for PNOZmulti Service



773010K

User Licence for PNOZmulti Config



773011L

Lite Licence for PNOZmulti Service