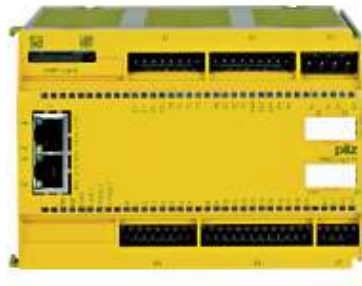


PNOZ m1p ETH

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.

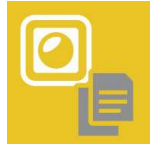
Technical details

General data	
Approval:	CE, CCC, BG, cULus Listed, KCC, 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	
Signal level at input at 0:	-3 - +5 VDC
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 S/C 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

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

773010S

Time lim Licence 2Mth for PNOZmulti Conf

773010Q

Time lim Licence 4Mth for PNOZmulti Conf

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

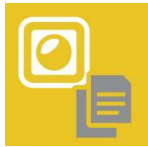
PNOZmulti Bus-Terminator

773011W

Project Upgr Licence for PNOZmulti Serv

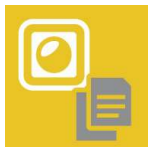
773010W

Project Upgr Licence f. PNOZmulti Config



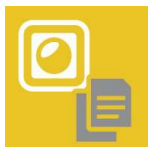
773011U

Basic Upgr Licence for PNOZmulti Service



773010U

Basic Upgr Licence for PNOZmulti Config



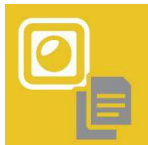
773011V

User Upgr Licence for PNOZmulti Service



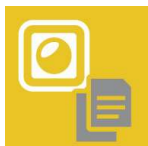
774639

KOP-XE



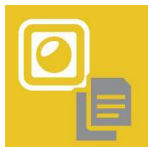
773011B

Basic Licence for PNOZmulti Service



773011K

User Licence for PNOZmulti Service



773010K

User Licence for PNOZmulti Config

773011G

Project Licence for PNOZmulti Service
