

## PNOZ m EF 4DI4DOR

772143



Configurable safe small controllers PNOZmulti 2, expansion module, 4 safe digital inputs, 4 safe relay outputs.

## Technical details

### General data

Approval:	CE, UKCA, cULus Listed, KOSHA, TÜV, EAC (Eurasian)
Application range:	Failsafe

### Technical data

#### Electrical data

Purpose of UINT1:	Module supply
Source of internal voltage:	Via base unit
Voltage type of UINT1:	DC
Permitted loads:	Resistive, Inductive

#### Inputs

U input to EN 61131-2 Type 1:	24 V DC
Potential isolation input:	No

#### Relay outputs

Number of relay outputs:	4
Utilisation cat. AC/DC1 stand.:	EN 60947-4-1
Voltage AC1 safety cont.:	250 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
Safety contacts: AC at UL:	240 VAC G.U. Resistive
Pilot duty R300 to UL:	24 V DC
Relay contact material:	AgCuNi
Addit. contact details relay:	+ 0.2 µm Au
Pot. isolation relay outputs:	Yes
<b>Environmental data</b>	
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
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:	II
Pollution degree clear.&creep.:	2
Protection type standard:	EN 60529
<b>Potential separation</b>	
Potential isolation 1 between:	RL output and system voltage
Type of potential isolation 1:	Safe separation
<b>Mechanical data</b>	
Mounting position:	horizontal on top hat rail
Housing material lower section:	PC
Housing material front plate:	PC

Housing material upper part:	PC
Connection terminal:	Screw terminal, Spring-loaded terminal
Terminal style:	plug-in
Flex. cond. c/s AWG info:	24 - 12 AWG
Height dimension:	101.4 mm
Width dimension:	22.5 mm
Depth dimension:	120 mm
Net weight:	190 g
Gross weight:	205 g
<b>Environment</b>	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	7C I
REACH compliance:	contains min. 1 SVHC-substance
REACH included substances:	Lead oxide
%-part of the pollutant:	> 0,1
CAS No.:	1317-36-8
WEEE klassifikation (08/2018):	5 devices (feed size < 50cm)
<b>Commercial data</b>	
Harmonized System Code:	85389091
EAN-Code:	4046548069631
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242204
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC001419
Volume:	0.373

## Obligatory accessories

793540

Screw terminals PNOZ mml2p



783540

Spring terminals PNOZ mml2p



## Optional accessories

793541

Screw terminals PNOZ mml2p 10 pcs.



783541

Spring terminals PNOZ mml2p 10 pcs.



779260

PNOZ mm0.xp connector left (10 pcs)

