

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:	Fail-safe
Technical data	
Electrical data	
Purpose of UINT1:	Versorgung des Moduls
Source of internal voltage:	über Basisgerät
Voltage type of UINT1:	DC
Permitted loads:	ohmsch, induktiv
Inputs	
Number of digital inputs:	4
U input to EN 61131-2 Type 1:	24 V DC
Potential isolation input:	nein
Relay outputs	
Number of relay outputs:	4
Utilisation cat. AC/DC1 stand.:	EN 60947-4-1
Voltage AC1 safety cont.:	250
Max. current AC1 safety cont.:	6
Voltage DC1 safety cont.:	24
Max. current DC1 safety cont.:	6

Utilisation cat. AC15/DC13sta.:	EN 60947-5-1
Voltage AC15 safety cont.:	230
Max. current AC15 safety cont.:	3
Voltage DC13 safety cont.:	24
Safety contacts: AC at UL:	240 V AC 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:	ja
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
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
Protection type, mounting:	IP54
Protection type, housing:	IP20
Terminal protection type:	IP20
Potential separation	
Potential isolation 1 between:	RL output and system voltage
Type of potential isolation 1:	sichere Trennung

Mechanical data	
Mounting position:	waager. auf Hutschiene
DIN-rail dimensions:	35 x 7.5 EN 50022
Housing material lower section:	PC
Housing material front plate:	PC
Housing material upper part:	PC
Connection terminal:	Schraubklemme, Federkraftklemme
Terminal style:	steckbar
Flex. cond. c/s AWG info:	24 - 12 AWG
Height dimension:	101.4
Width dimension:	22.5
Depth dimension:	120
Net weight:	190
Gross weight:	205
Environment	
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)
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27242204
ETIM Version:	ETIM-7.0
ETIM Reference Group:	EG000024

ETIM Reference Feature:

EC001419

## 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)

