PILZ
THE SPIRIT OF SAFETY

PNOZ m EF 4DI4DORD 772145



Configurable safe small controllers PNOZmulti 2, expansion module, 4 safe digital inputs, 4 safe relay outputs, diverse, to control the safety valves of a furnace in accordance with EN 50156.

Technical details

General data	
Approval:	CE, UKCA, cULus Listed, TÜV
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
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
Potential separation	
Potential isolation 1 between:	RL output and system voltage
Type of potential isolation 1:	Safe separation
Mechanical data	
Mounting position:	horizontal on top hat rail
Housing material lower section:	PC
Housing material front plate:	PC

Housing material upper part:	PC
Connection terminal:	Spring-loaded terminal, Screw 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:	185 g
Gross weight:	200 g
Environment	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	7a
REACh compliance:	contains min. 1 SVHC-substance
REACh included substances:	Lead
%-part of the pollutant:	> 0,1
CAS No.:	7439-92-1
WEEE classifikation (08/2018):	5 devices (feed size < 50cm)
SCIP entry available:	0
Commercial data	
Harmonized System Code:	85389091
UNSPSC 25:	39122331
EAN-Code:	4046548069587
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242204
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC001419

Volume:	0.373 dm3

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)