

PNOZ m EF 1MM2DO

772172



Configurable safe small controllers PNOZmulti 2, expansion module, safe monitoring of 1 axis, 2 safe outputs, cascading input.

Technical details

General data

Approval:	CE, UKCA, cULus Listed, TÜV
Application range:	Failsafe

Technical data

Electrical data

Purpose of U2:	Supply of SC outputs, Supply sensor evaluation
Supply voltage 2 (V):	24 - 24 V
Type of supply voltage U2:	DC
Potential isolation U2:	Yes
Purpose of U1NT1:	Module supply
Source of internal voltage:	Via base unit
Voltage type of U1NT1:	DC
Permitted loads:	Resistive, Inductive, Capacitive

Input proximity switch

Prog. mon.fun. wo hyst prox sw:	0.1 Hz - 5 kHz
---------------------------------	----------------

Input incremental encoder

Connection (increment encoder):	8-pin Mini-IO female connector
Phase pos. diff.sign. inc. enc.:	90° ±30°
Prog. mon. fun. wo hyst. incr.:	0.1 Hz - 500 kHz

Semiconductor outputs

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
Cascading output as standard output	
Number of cascading outputs:	1
Galv. isol. casc. aux. S/C O:	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
Times	
Reaction time over limit value:	1/f_actual + 10ms
Potential separation	
Potential isolation 1 between:	Sensor and system voltage
Type of potential isolation 1:	Functional insulation
Potential isolation 2 between:	SC output and system voltage

Type of potential isolation 2:	Basic insulation
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:	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:	131 g
Gross weight:	141 g
Environment	
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85389091
UNSPSC 25:	39122331
EAN-Code:	4046548070651
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242205
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC001422
Volume:	0.366 dm ³

Obligatory accessories



750004

PNOZ s Setscrew terminals 22,5mm



751004

PNOZ s Setspring loaded terminals 22,5mm

Optional accessories



773871

PNOZ msi S15



773870

PNOZ msi S09



772201

MM A MINI-IO CAB99 2.5m



773872

PNOZ msi S025



772200

MM A MINI-IO CAB99 1.5m



772202

MM A MINI-IO CAB99 5.0m

779260

PNOZ mm0.xp connector left (10 pcs)



773845

PNOZ msi b4 Box