PILZ
THE SPIRIT OF SAFETY

PNOZ m EF 2MM 772171



Configurable safe small controllers PNOZmulti 2, expansion module, safe monitoring of 2 axes.

Technical details

General data	
Approval:	CE, UKCA, cULus Listed, KOSHA, EAC (Eurasian), 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
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
Inputs	
Potential isolation input:	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 + 16ms
Potential separation	
Potential isolation 1 between:	Sensor and system voltage
Type of potential isolation 1:	Functional insulation
Potential isolation 2 between:	Sensor 1 and sensor 2
Type of potential isolation 2:	Functional 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:	111 mm
Net weight:	120 g

Gross weight:	130 g
Environment	
RoHS directive:	all the relevant guidelines, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	7a, 7c I
REACh compliance:	contains min. 1 SVHC-substance
REACh included substances:	Lead, Lead oxide
%-part of the pollutant:	> 0,1 %
CAS No.:	7439-92-1, 1317-36-8
WEEE classifikation (08/2018):	5 devices (feed size < 50cm)
SCIP entry available:	0
Commercial data	
Harmonized System Code:	85389091
UNSPSC 25:	39122331
EAN-Code:	4046548069617
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242205
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC001422
Volume:	0.366 dm3

Obligatory accessories

793544 Screw terminals PNOZ 2MM 1 set



	783544	Spring terminals PNOZ 2MM 1 set

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