

PNOZ m EF 4AI

772160



Configurable safe small controllers PNOZmulti 2, expansion module, 4 safe analogue inputs, 4..20 mA.

Technical details

General data

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

Technical data

Electrical data

Purpose of U2:	Supply sensor evaluation
Supply voltage 2 (V):	24 - 24 V
Type of supply voltage U2:	DC
Potential isolation U2:	Yes
Purpose of U1N1:	Module supply
Source of internal voltage:	Via base unit
Voltage type of U1N1:	DC

Analog inputs

Number of analogue inputs:	4
Type of analogue inputs:	Current
Analog input signal type 2:	Differential input
Analog input Signal range 2:	4.. 20 mA
Analog input signal type 3:	Differential input
Analog input Signal range 3:	0 .. 25 mA
Type of input filter:	RC filter, 1st order

Res. anal. i/p I-measurement:	16 Bit (15 Bit + Vorzeichen)
R analog current i/p+thresh.V:	156 Ohm + ca. 1.6V threshold V
Monotony without error codes:	yes
Analogue input data format:	Float
Conversion method analog i/p:	Successive approximation
Potential isol. Analogue input:	Yes
Environmental data	
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	0 - 0 °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:	Sensor and system voltage
Type of potential isolation 1:	Functional insulation
Mechanical data	
Mounting position:	horizontal on top hat rail
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:	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:	108 g
Gross weight:	117 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 classification (08/2018):	5 devices (feed size < 50cm)
SCIP entry available:	yes
Commercial data	
Harmonized System Code:	85389091
UNSPSC 25:	39122331
EAN-Code:	4046548069624
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242201
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC001420
Volume:	0.366

Obligatory accessories



750004

PNOZ s Setscrew terminals 22,5mm



751004

PNOZ s Setspring loaded terminals 22,5mm

Optional accessories

779260

PNOZ mm0.xp connector left (10 pcs)

