

PNOZ yio1 2DI 2SO

2A000013



Expansion module of the modular safety relay myPNOZ, outputs: 2 safe instantaneous switching semiconductor outputs, 1 signal output in semiconductor technology, inputs: 2 for monitoring 1 safety function: 1/2-channel wiring with/without detection of shorts across contacts,width: 17.5mm

Technical details

General data

Approval: CE, CCC, UKCA, cULus Listed, TÜV, EAC (Eurasian)

Technical data

Electrical data

Purpose of U2:	Supply of SC outputs
Supply voltage 2 (V):	12 - 24 V
Type of supply voltage U2:	DC
Potential isolation U2:	No
Purpose of U1N1:	Module supply
Source of internal voltage:	Via head module
Voltage type of U1N1:	DC
Permitted loads:	Resistive, Inductive, Capacitive

Inputs

U input to EN 61131-2 Type 1:	24 V DC
Potential isolation input:	No

Semiconductor outputs

Potential isolation of S/C O:	No
S/C output short circuit proof:	Yes
Perm. load 1pole Output:	ohmsch, induktiv, kapazitiv

Environmental data

Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	-10 - 55 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-78
Condensation permitted?:	Not permitted
Perm. operating height ASL:	5000 m
EMC to standard ...:	EN 60947-5-1, EN 61000-6-2, EN 61000-6-4, EN 61326-3-1
Vibration to standard ...:	EN 60068-2-6
Acc. shock to standard1:	15g
Clearance & creepage dist. to:	EN 60947-5-1
Overvoltage category:	III
Pollution degree clear.&creep.:	2
Protection type standard:	EN 60529
Times	
Simultaneity input circuit:	∞
Mechanical data	
Mounting position:	any
DIN-rail dimensions:	35 x 7.5 EN 50022
Housing material lower section:	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:	98 mm
Width dimension:	17.5 mm
Depth dimension:	121 mm
Net weight:	90 g
Gross weight:	97 g
Environment	

WEEE classification (08/2018):

5 devices (feed size < 50cm)

Obligatory accessories



2A000202

myPNOZ connector (10pcs.)

750003

PNOZ s Setscrew terminals 17,5mm



751003

PNOZ s Setspring loaded terminals 17,5mm



Optional accessories



2A000202

myPNOZ connector (10pcs.)