

PNOZ yio4 2DI 3NO t

2A000010



Expansion module of the modular safety relay myPNOZ, outputs: 3 n/o safe delay-on de-energisation switching relay contacts ($t=0-300s$), 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 U1NT1:	Module supply
Source of internal voltage:	Via head module
Voltage type of U1NT1:	DC
Permitted loads:	Resistive, Inductive

Inputs

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

Relay outputs

Utilisation cat. AC/DC1 stand.:	EN 60947-4-1
Voltage AC1 safety cont.:	240 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.:	5 A

Voltage DC13 safety cont.:	24 V
Safety contacts: AC at UL:	240 VAC G.U. Resistive
Safety contacts: pilot duty:	B300, R300
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:	-10 - 55 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-78
Condensation permitted?:	Not permitted
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	
Tolerance Tv:	+/-1.5 %
Simultaneity input circuit:	∞
Potential separation	
Potential isolation 1 between:	Output and system voltage
Type of potential isolation 1:	Safe separation
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:	115 g
Gross weight:	127 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.)