



PNOZsigma safety relay (standalone), inputs: 1-channel wiring possible, outputs: 3 N/O, 1 N/C, (t = 0.04 - 300 s), UB = 24 V DC, width: 17.5 mm plug-in spring-loaded terminals, contact block and timer relay for contact expansion in connection with safety-related control components or for the process of a safe timer function (energising, fallback, pulsing).

## Technical details

### General data

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

### Technical data

#### Electrical data

Supply voltage (V): 24 - 24 V

Type of supply voltage U1: DC

Power consumption DC: 2 W

#### Relay outputs

Number of del. aux. contacts: 1

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. (same polarity)

Relay contact material: AgCuNi

Addit. contact details relay:	+ 0.2 µm Au
Environmental data	
Climatic suitability to ...:	EN 60068-2-78
Ambient temperature:	-10 - 55 °C
Humidity rating:	93 % r. h. at 40 °C
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
Clearance & creepage dist. to:	EN 60947-1
Overvoltage category:	III
Pollution degree clear.&creep.:	2
Times	
Selectable times:	0.8 s, 0.7 s, 0.4 s, 0.3 s, 0.2 s, 15 s, 2.5 s, 1.5 s, 25 s, 35 s, 0.5 s, 0.6 s, 7 s, 6 s, 3 s, 5 s, 4 s, 210 s, 150 s, 0.1 s, 0.04 s, 8 s, 90 s, 80 s, 60 s, 50 s, 20 s, 30 s, 40 s, 16 s, 1 s, 2 s, 70 s, 100 s, 120 s, 140 s, 200 s, 300 s, 160 s, 180 s, 3.5 s, 14 s, 240 s, 12 s, 10 s
Tolerance Tv:	+/-1 % + +/-20 ms
Repetition accuracy:	+/-1 % + +/-20 ms
Tolerance in event of error:	+/-15 % + +/-20 ms
Min. delay time formula:	tv - 15 % - 20 ms
Max. delay time formula:	tv + 15 % + 20 ms
Mechanical data	
Mounting position:	any
Housing material lower section:	PC
Housing material front plate:	PC
Housing material upper part:	PC
Connection terminal:	Spring-loaded terminal
Terminal style:	plug-in
Height dimension:	100 mm
Width dimension:	17.5 mm

Depth dimension:	120 mm
Net weight:	175 g
Gross weight:	185 g
<b>Environment</b>	
RoHS directive:	2011/65/EU, 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 classification (08/2018):	5 devices (feed size < 50cm)
<b>Commercial data</b>	
Harmonized System Code:	85364900
EAN-Code:	4046548025491
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27371819
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000019
ETIM Reference Feature:	EC001449
Volume:	0.360

## Optional accessories



750020

PNOZ s connector (10 pieces)

751003

PNOZ s Setspring loaded terminals 17,5mm

