



PNOZsigma safety relay (standalone), inputs: 1/2-channel wiring with/without detection of shorts across contacts, manual/automatic start, outputs: 2 N/O, 1 SC, UB 24 V DC, width: 17.5 mm, plug-in terminals of screw type, monitoring of E-STOP, safety gates, light guard.

## Technical details

### General data

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

### Technical data

#### Electrical data

Supply voltage (V): 24 - 24 V

Type of supply voltage U1: DC

Power consumption DC: 2.5

#### Inputs

Number of inputs: 2

#### Semiconductor outputs

Number of semicond. outputs: 1

Utilisation cat. to EN 60947-1: DC-12

#### Relay outputs

Utilisation cat. AC/DC1 stand.: EN 60947-4-1

Voltage AC1 safety cont.: 240

Max. current AC1 safety cont.: 6

Voltage DC1 safety cont.: 24

Max. current DC1 safety cont.: 6

Utilisation cat. AC15/DC13sta.: EN 60947-5-1

Voltage AC15 safety cont.: 230

|                                 |  |
|---------------------------------|--|
| Max. current AC15 safety cont.: | 5  |
| Voltage DC13 safety cont.:      | 24   |
| Safety contacts: AC at UL:      | 240 V AC G.U. (same polarity)                          |
| Relay contact material:         | AgCuNi   |
| Addit. contact details relay:   | + 0,2 µm Au  |
| <b>Environmental data</b>       |  |
| 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 / II   |
| Pollution degree clear.&creep.: | 2  |
| Protection type, mounting:      | IP54   |
| Protection type, housing:       | IP40   |
| Terminal protection type:       | IP20   |
| <b>Mechanical data</b>          |  |
| Mounting position:              | beliebig   |
| Housing material lower section: | PC   |
| Housing material front plate:   | PC   |
| Housing material upper part:    | PC   |
| Connection terminal:            | Schraubklemme  |
| Terminal style:                 | steckbar   |
| Flex. cond. c/s AWG info:       | 24 - 12 AWG  |
| Height dimension:               | 98 mm  |
| Width dimension:                | 17.5 mm  |
| Depth dimension:                | 120 mm   |

|                                |                                |
|--------------------------------|--------------------------------|
| Net weight:                    | 140 g                          |
| Gross weight:                  | 150 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, 6c, 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>         |                                |
| ECLASS version:                | ECLASS-9.1                     |
| ECLASS Reference Feature:      | 27371819                       |
| ETIM Version:                  | ETIM-7.0                       |
| ETIM Reference Group:          | EG000019                       |
| ETIM Reference Feature:        | EC001449                       |

## Optional accessories

750010

PNOZ s terminator plug ( 10 pieces)



750003

PNOZ s Setscrew terminals 17,5mm



750910

PNOZ s nIE



# PILZ

THE SPIRIT OF SAFETY



750900

PNOZ s pIE