

PNOZsigma safety relay (standalone), inputs: 1/2-channel wiring with/without detection of shorts across contacts, manual/automatic start, outputs: 3 N/O, 1 N/C, 1 SC, UB 24 V DC, width: 22.5 mm, plug-in spring-loaded terminals, monitoring of E-STOP, safety gates, lightguard.

## 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 W   |
| 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 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 / II   |
| Pollution degree clear.&creep.: | 2  |
| 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:                | 22.5 mm  |
| Depth dimension:                | 120 mm   |
| Net weight:                     | 185 g  |
| Gross weight:                   | 195 g  |
| Environment                     |  |
| RoHS directive:                 | 2011/65/EU, 2015/863/EU                                |

|                                |                                |
|--------------------------------|--------------------------------|
| RoHS conformity:               | yes                            |
| RoHS exceptions:               | yes                            |
| RoHS except.s acc. to direct.: | 34, 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)   |
| Commercial data                |                                |
| Harmonized System Code:        | 85364900                       |
| 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)

750910 PNOZ s nIE

750900 PNOZ s pIE

751004 PNOZ s Setspring loaded terminals 22,5mm