

## PNOZ X2.8P 24VACDC 3n/o 1n/c

777301



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

## 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: AC/DC

Power consumption AC: 5.5 VA

Power consumption DC: 2.5 W

#### Inputs

Number of inputs: 2

#### Semiconductor outputs

Number of semicond. outputs: 0

#### 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)                           |
| Safety contacts: pilot duty:    | R300                                                   |
| Relay contact material:         | AgCuNi                                                 |
| Addit. contact details relay:   | + 0.2 µm Au                                            |
| Environmental data              |                                                        |
| Climatic suitability to ...:    | EN 60068-2-78                                          |
| Ambient temperature:            | -35 - 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 front plate:   | ABS UL 94 V0                                           |
| Connection terminal:            | Screw terminal                                         |
| Terminal style:                 | plug-in                                                |
| Flex. cond. c/s AWG info:       | 24 - 12 AWG                                            |
| Height dimension:               | 94 mm                                                  |
| Width dimension:                | 22.5 mm                                                |
| Depth dimension:                | 121 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.: | 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)   |
| SCIP entry available:          | 0                              |
| Commercial data                |                                |
| Harmonized System Code:        | 85364900                       |
| UNSPSC 25:                     | 39122331                       |
| EAN-Code:                      | 4046548009897                  |
| ECLASS version:                | ECLASS-13                      |
| ECLASS Reference Feature:      | 27371819                       |
| ETIM Version:                  | ETIM-9.0                       |
| ETIM Reference Group:          | EG000019                       |
| ETIM Reference Feature:        | EC001449                       |
| Volume:                        | 0.301 dm3                      |

## Optional accessories

374280

PNOZ X Set plug in screw terminals P1+P2

