



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 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

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| 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: | 17.5 mm |
| Depth dimension: | 120 mm |
| Net weight: | 140 g |
| Gross weight: | 150 g |
| Environment | |
| RoHS directive: | 2011/65/EU, 2015/863/EU |

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|--------------------------------|--------------------------------|
| 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 klassifikation (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



751003 PNOZ s Setspring loaded terminals 17,5mm

