

PNOZ s5 24VDC 2 n/o 2 n/o t

750105



PNOZsigma safety relay (standalone), inputs: 1/2-channel wiring with/without detection of shorts across contacts, manual/automatic start, outputs: 2 N/O, 2 N/O t-d (t = 0.04 - 300 s), 1 SC, UB = 24 V DC, width: 22.5 mm, plug-in screw terminals, monitoring of E-STOP, safety gates, light curtain.

Technical details

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| General data | |
| Approval: | CCC, CE, 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: | 4 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.: | 3 A |
| Voltage DC13 safety cont.: | 24 V |
| Safety contacts: AC at UL: | 240 VAC G.U. (same polarity) |
| Safety contacts: pilot duty: | R300, B300 |
| 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 |
| Times | |
| Selectable times: | 0.8 s, 0.4 s, 0.2 s, 0.3 s, 15 s, 1.5 s, 2.5 s, 25 s, 35 s, 0.5 s, 0.6 s, 7 s, 6 s, 3 s, 4 s, 5 s, 210 s, 150 s, 0.1 s, 0.04 s, 8 s, 80 s, 90 s, 60 s, 20 s, 50 s, 30 s, 40 s, 16 s, 1 s, 2 s, 70 s, 0.7000000000000001 s, 100 s, 120 s, 300 s, 200 s, 140 s, 160 s, 14 s, 180 s, 3.5 s, 12 s, 240 s, 10 s |
| Tolerance Tv: | +/-1 % + +/-20 ms |
| Repetition accuracy: | +/-1 % + +/-20 ms |
| Tolerance in event of error: | +/-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 |

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| Connection terminal: | Screw terminal |
| Terminal style: | plug-in |
| Flex. cond. c/s AWG info: | 24 - 12 AWG |
| Height dimension: | 98 mm |
| Width dimension: | 22.5 mm |
| Depth dimension: | 120 mm |
| Net weight: | 235 g |
| Gross weight: | 245 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 | |
| ECLASS version: | ECLASS-9.1 |
| ECLASS Reference Feature: | 27371819 |
| ETIM Version: | ETIM-7.0 |
| ETIM Reference Group: | EG000019 |

Optional accessories

750010

PNOZ s terminator plug (10 pieces)





750004

PNOZ s Setscrew terminals 22,5mm



750910

PNOZ s nIE



750900

PNOZ s pIE