



## ► PST 4

**PILZ**  
THE SPIRIT OF SAFETY

Operating Manual-18436-EN-11  
- Safety relays



This document is a translation of the original document.

Where unavoidable, for reasons of readability, the masculine form has been selected when formulating this document. We do assure you that all persons are regarded without discrimination and on an equal basis.

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SD means Secure Digital

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## Introduction

### Validity of documentation

This documentation is valid for the product PST 4. It is valid until new documentation is published.

This operating manual explains the function and operation, describes the installation and provides guidelines on how to connect the product.

### Using the documentation

This document is intended for instruction. Only install and commission the product if you have read and understood this document. The document should be retained for future reference.

### Definition of symbols

Information that is particularly important is identified as follows:



#### **DANGER!**

This warning must be heeded! It warns of a hazardous situation that poses an immediate threat of serious injury and death and indicates preventive measures that can be taken.



#### **WARNING!**

This warning must be heeded! It warns of a hazardous situation that could lead to serious injury and death and indicates preventive measures that can be taken.



#### **CAUTION!**

This refers to a hazard that can lead to a less serious or minor injury plus material damage, and also provides information on preventive measures that can be taken.



#### **NOTICE**

This describes a situation in which the product or devices could be damaged and also provides information on preventive measures that can be taken. It also highlights areas within the text that are of particular importance.

**INFORMATION**

This gives advice on applications and provides information on special features.

**Safety****Intended use**

The safety relay PST 4 provides a safety-related interruption of a safety circuit.

The safety relay meets the requirements of EN 60947-5-1 and EN 60204-1 and may be used in applications with:

- ▶ Safety gates

**Improper use**

The following is deemed improper use in particular:

- ▶ Any component, technical or electrical modification to the product,
- ▶ Use of the product outside the areas described in this operating manual,
- ▶ Use of the product outside the technical details (see chapter entitled [Technical Details](#) [ 13]).

**NOTICE****EMC-compliant electrical installation**

The product is designed for use in an industrial environment. The product may cause interference if installed in other environments. If installed in other environments, measures should be taken to comply with the applicable standards and directives for the respective installation site with regard to interference.

**Safety regulations****Safety assessment**

Before using a unit, a risk assessment is required in accordance with the Machinery Regulation.

Connecting additional units may result in further risks. Take the necessary measures to protect against corruption.

The product as an individual component fulfils the functional safety requirements in accordance with EN ISO 13849 and EN IEC 62061. However, this does not guarantee the functional safety of the overall plant/machine. To achieve the relevant safety level of the overall plant/machine's required safety functions, each safety function needs to be considered separately.

**Use of qualified personnel**

Product installation, assembly, programming, commissioning, operation, decommissioning and maintenance may only be carried out by competent persons.

A competent person is a qualified and knowledgeable person who, because of their training, experience and current professional activity, has the specialist knowledge required.

In order to inspect, assess and handle products, devices, systems, plant and machinery, this person must be familiar with the state of the art and the applicable national, European and international laws, regulations, directives and standards.

It is the company's responsibility only to employ personnel who

- ▶ Are familiar with the basic regulations concerning health and safety / accident prevention,
- ▶ Have read and understood the section on "Safety" in this description and
- ▶ Have a good knowledge of the generic and specialist standards applicable to the specific application.

**Warranty and liability**

All claims to warranty and liability will be rendered invalid if

- ▶ The product was used contrary to the purpose for which it is intended,
- ▶ Damage can be attributed to not having followed the guidelines in the manual,
- ▶ Operating personnel are not suitably qualified,
- ▶ Any type of modification has been made (e.g. exchanging components on the PCB boards, soldering work etc.).

**Disposal**

- ▶ In safety-related applications, please comply with the mission time  $T_m$  stated in the safety-related characteristic data.
- ▶ When decommissioning, please comply with local regulations regarding the disposal of electronic devices (e.g. Electrical and Electronic Equipment Act).

**For your safety**

The unit meets all the necessary conditions for safe operation. However, please note the following:

- ▶ Note for overvoltage category III: If voltages higher than low voltage (>50 VAC or >120 VDC) are present on the unit, connected control elements and sensors must have a rated insulation voltage of at least 250 V.

## Unit features

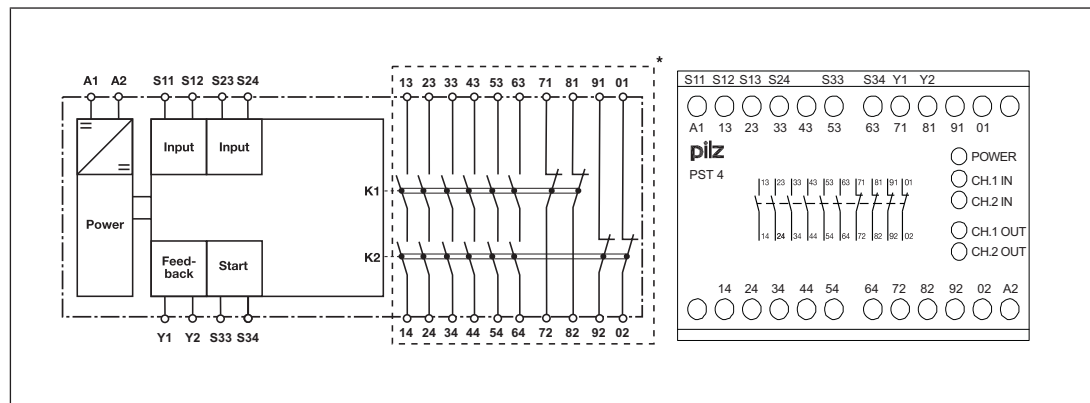
- ▶ Positive-guided relay outputs:
  - 6 safety contacts (N/O), instantaneous
  - 4 auxiliary contacts (N/C), instantaneous
- ▶ Connection options for:
  - Safety gate limit switches
  - Start button
- ▶ LED indicator for:
  - Supply voltage
  - Input state channel 1/2
  - Output state channel 1/2
- ▶ See order reference for unit types

## Safety features

The safety relay meets the following safety requirements:

- ▶ The circuit is redundant with built-in self-monitoring.
- ▶ The safety function remains effective in the case of a component failure.
- ▶ The correct opening and closing of the safety function relays is tested automatically in each on-off cycle.

## Block diagram/terminal configuration



\*Insulation between the non-marked area and the relay contacts: Basic insulation (over-voltage category III), Protective separation (overvoltage category II)

## Function Description

The safety gate monitor PST 4 provides a safety-oriented interruption of a safety circuit. When operating voltage is supplied the "POWER" LED will light. The unit is ready for operation when the feedback loop Y1-Y2 and the start circuit S33-S34 are closed.

- ▶ Input circuit closed within the simultaneity period (safety gate closed)
  - The LEDs "CH.1 IN", "CH.2 IN" and "CH.1 OUT" and "CH.2 OUT" are lit
  - Safety contacts 13-14, 23-24, 33-34, 43-44, 53-54 and 63-64 are closed, auxiliary contacts 71-72, 81-82, 91-92 and 01-02 are opened. The unit is active.
- ▶ Input circuit is opened (safety gate opened)
  - The LEDs "CH.1 IN" and "CH.2 IN" go out.
  - Safety contacts 13-14, 23-24, 33-34, 43-44, 53-54 and 63-64 are opened redundantly, auxiliary contacts 71-72, 81-82, 91-92 and 01-02 are closed.
  - The LEDs "CH.1 OUT" and "CH.2 OUT" go out.

If the input circuits have already switched before supply voltage is applied, the PST 4 stops the plant being enabled, to prevent an automatic start-up in accordance with EN 60204 Pt 7.5.

## Reset function

The safety contacts and auxiliary contacts remain in rest condition (safety contacts are open and auxiliary contacts are closed) if the supply voltage is applied when the safety gate is closed. The safety and auxiliary contacts are not activated until the safety gate has been opened and then closed again. N/C contacts in series with the safety gate limit switches S1 and S2 can simulate the opening of the safety gate.

## Operating modes

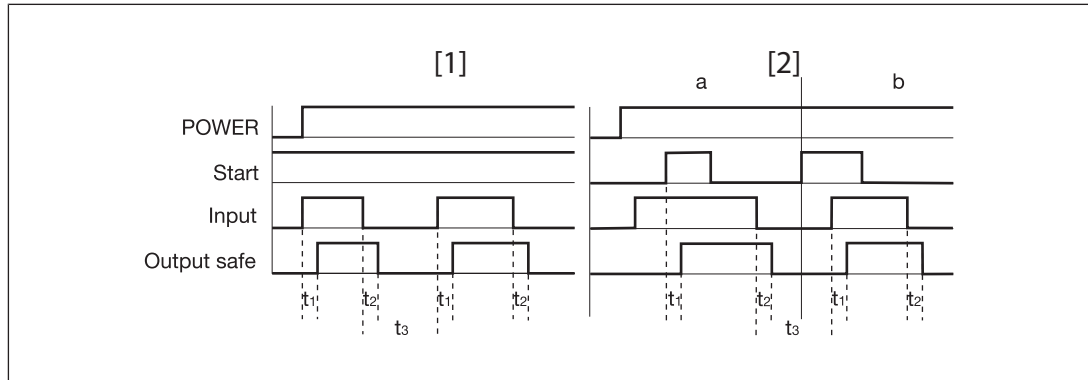
- ▶ Dual-channel operation with detection of shorts across contacts: Redundant input circuit, PST 4 detects
  - earth faults in the start and input circuit,
  - short circuits in the input circuit,
  - shorts across contacts in the input circuit.
- ▶ Automatic start: Unit is active once the input circuit has been closed.
- ▶ Manual start: Unit is active once the input circuit and the start circuit are closed.
- ▶ Increase in the number of available contacts by connecting contact expansion modules or external contactors/relays.



### NOTICE

The device does not recognise short circuits or shorts across contacts in the start/feedback loop. Take suitable measures, such as fault exclusion through protected or separate installation.

### Timing diagram



### Legend

- ▶ Power: Supply voltage
- ▶ Start: Start circuit
- ▶ Input: Input circuits
- ▶ Output safe: Safety contacts
- ▶ [1]: Automatic start
- ▶ [2]: Manual start
- ▶ a: Input circuit closes before start circuit
- ▶ b: Start circuit closes before input circuit
- ▶  $t_1$ : Switch-on delay
- ▶  $t_2$ : Delay-on de-energisation
- ▶  $t_3$ : Recovery time

### Installation



#### NOTICE

#### Protection against manipulation

Protect the product from unauthorised access.

- ▶ The unit should be installed in a control cabinet with a protection type of at least IP54.
- ▶ Use the notch on the rear of the unit to attach it to a DIN rail (35 mm).
- ▶ When installed vertically: secure the unit by using a fixing element (e.g. retaining bracket or end angle).

### Wiring

Please note:

- ▶ Information given in the "[Technical details](#) [ 13]" must be followed.
- ▶ Outputs 13-14, 23-24, 33-34, 43-44, 53-54, 63-64 are safety contacts; outputs 71-72, 81-82, 91-92, 01-02 are auxiliary contacts (e.g. for display).
- ▶ Do **not** use auxiliary contacts 71-72, 81-82, 91-92, 01-02 for safety circuits!
- ▶ Do not connect undesignated terminals.

- ▶ To prevent contact welding, a fuse should be connected before the output contacts (see [Technical details \[13\]](#)).

- ▶ Calculation of the max. cable length  $l_{\max}$  in the input circuit:

$$l_{\max} = \frac{R_{l\max}}{R_l / \text{km}}$$

$R_{l\max}$  = max. overall cable resistance (see [Technical details \[13\]](#))

$R_l / \text{km}$  = cable resistance/km

- ▶ Use copper wiring with a temperature stability of 60/75 °C.
- ▶ To prevent EMC interferences (particularly common-mode interferences) the measures described in EN 60204-1 must be executed. This includes the separate routing of cables of the control circuits (input, start and feedback loop) from other cables for energy transmission or the shielding of cables, for example.
- ▶ Adequate protection circuit must be provided on all output contacts with capacitive and inductive loads.
- ▶ Do not switch low currents using contacts that have been used previously with high currents.
- ▶ On 24 VDC devices:  
The power supply must comply with the regulations for extra low voltages with protective electrical separation (SELV, PELV) in accordance with VDE 0100, Part 410.

## Preparing for operation

| Supply voltage                                              | AC              | DC                               |
|-------------------------------------------------------------|-----------------|----------------------------------|
|                                                             |                 |                                  |
| Input circuit                                               | Dual-channel    | Dual-channel with reset function |
| Safety gate <b>with</b> detection of shorts across contacts |                 |                                  |
| Start circuit                                               | Automatic start | Manual start                     |
|                                                             |                 |                                  |

**NOTICE**

**In the event of an automatic start or manual start with bridged start contact (fault):**

The unit starts up automatically when the safeguard is reset, e.g. when the E-STOP pushbutton is released. Use external circuit measures to prevent an unexpected restart.

| Feedback loop                             | Without feedback loop monitoring | With feedback loop monitoring |
|-------------------------------------------|----------------------------------|-------------------------------|
| Link or contacts from external contactors |                                  |                               |
| Start-up testing                          |                                  |                               |

**INFORMATION**

The feedback circuit must be closed at least 500 ms before limit switch S1 is operated and may only be opened once limit switch S1 has been operated.

**Legend**

- ▶ S1/S2: Safety gate switch
- ▶ S3: Start button
- ▶ 
- ▶ 
- ▶

**Operation**

When the relay outputs are switched on, the mechanical contact on the relay cannot be tested automatically. Depending on the operational environment, measures to detect the non-opening of switching elements may be required under some circumstances.

When the product is used in accordance with the European Machinery Regulation, a check must be carried out to ensure that the safety contacts on the relay outputs open correctly. Open the safety contacts (switch off output) and start the device again, so that the internal diagnostics can check that the safety contacts open correctly

- For SIL 3/PL e, at least 1x per month
- For SIL 2/PL d, at least 1x per year



#### NOTICE

The safety functions should be checked after initial commissioning and each time the plant/machine is changed. The safety functions may only be checked by qualified personnel.

#### Status indicators

LEDs indicate the status and errors during operation:



LED on



#### POWER

Supply voltage is present.



#### CH.1 IN

Channel 1 input circuit is closed.



#### CH.2 IN

Channel 2 input circuit is closed.



#### CH.1 OUT

Channel 1 safety contacts are closed.



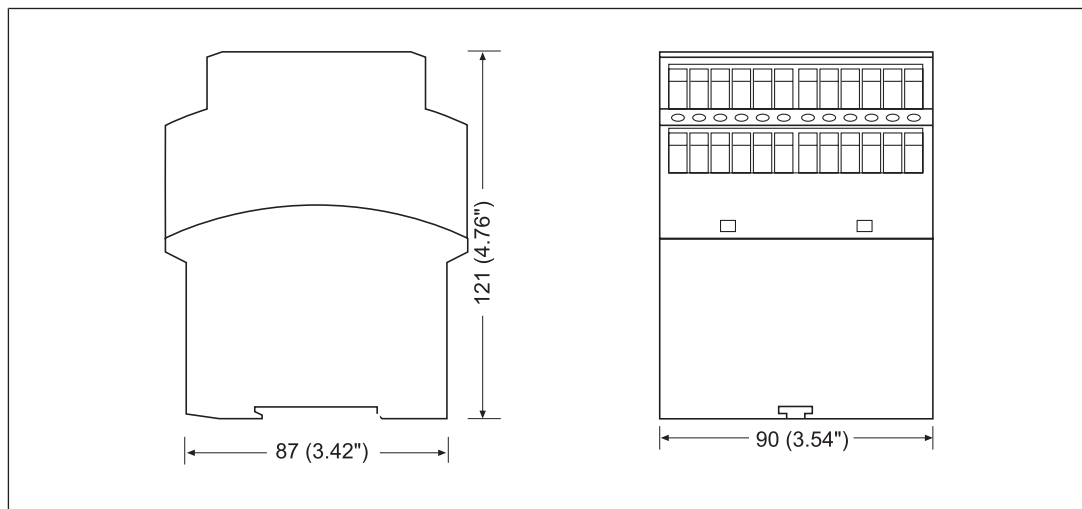
#### CH.2 OUT

Channel 2 safety contacts are closed.

#### Faults – Interference

- Earth fault: The supply voltage fails and the safety contacts open. Once the cause of the respective fault has been rectified and the supply voltage is switched off for approx. 1 minute, the unit is ready for operation again.
- Contact malfunctions: If the contacts have welded, reactivation will not be possible after the input circuit has opened.
- LED "POWER" does not light: Short circuit or no supply voltage.
- CH.1 OUT and CH.2 OUT do not light:  
Only one limit switch is closed. Simultaneity was not maintained.

### Dimensions in mm



### Technical details

Where standards are undated, the 2022-09 valid editions apply.

#### General

Certifications **CCC, CE, EAC, TÜV, UKCA, cULus Listed**

#### Electrical data

##### Supply voltage

|                                      |                    |
|--------------------------------------|--------------------|
| Voltage                              | <b>24 V</b>        |
| Kind                                 | <b>DC</b>          |
| Voltage tolerance                    | <b>-15 %/+10 %</b> |
| Output of external power supply (DC) | <b>5,5 W</b>       |
| Residual ripple DC                   | <b>20 %</b>        |

Duty cycle **100 %**

##### Max. inrush current impulse

|                    |               |
|--------------------|---------------|
| Current pulse, A1  | <b>10 A</b>   |
| Pulse duration, A1 | <b>0,5 ms</b> |

#### Inputs

Quantity **2**

##### Voltage at

|                  |             |
|------------------|-------------|
| Input circuit DC | <b>24 V</b> |
| Start circuit DC | <b>24 V</b> |
| Feedback loop DC | <b>24 V</b> |

##### Current at

|                  |              |
|------------------|--------------|
| Input circuit DC | <b>30 mA</b> |
| Start circuit DC | <b>30 mA</b> |
| Feedback loop DC | <b>30 mA</b> |

##### Max. overall cable resistance R<sub>lmax</sub>

|                                                                |                |
|----------------------------------------------------------------|----------------|
| Dual-channel with detection of shorts across contacts at UB DC | <b>100 Ohm</b> |
|----------------------------------------------------------------|----------------|

**Relay outputs**

|                                            |                          |
|--------------------------------------------|--------------------------|
| Number of output contacts                  |                          |
| Safety contacts (N/O), instantaneous       | <b>6</b>                 |
| Auxiliary contacts (N/C)                   | <b>4</b>                 |
| Max. short circuit current I <sub>K</sub>  | <b>1 kA</b>              |
| Utilisation category                       |                          |
| in accordance with the standard            | <b>EN 60947-4-1</b>      |
| Utilisation category of safety contacts    |                          |
| AC1 at                                     | <b>240 V</b>             |
| Min. current                               | <b>0,01 A</b>            |
| Max. current                               | <b>8 A</b>               |
| Max. power                                 | <b>2.000 VA</b>          |
| DC1 at                                     | <b>24 V</b>              |
| Min. current                               | <b>0,01 A</b>            |
| Max. current                               | <b>8 A</b>               |
| Max. power                                 | <b>200 W</b>             |
| Utilisation category of auxiliary contacts |                          |
| AC1 at                                     | <b>240 V</b>             |
| Min. current                               | <b>0,01 A</b>            |
| Max. current                               | <b>8 A</b>               |
| Max. power                                 | <b>2000 VA</b>           |
| DC1 at                                     | <b>24 V</b>              |
| Min. current                               | <b>0,01 A</b>            |
| Max. current                               | <b>8 A</b>               |
| Max. power                                 | <b>200 W</b>             |
| Utilisation category                       |                          |
| in accordance with the standard            | <b>EN 60947-5-1</b>      |
| Utilisation category of safety contacts    |                          |
| AC15 at                                    | <b>230 V</b>             |
| Max. current                               | <b>5 A</b>               |
| DC13 (6 cycles/min) at                     | <b>24 V</b>              |
| Max. current                               | <b>7 A</b>               |
| Utilisation category of auxiliary contacts |                          |
| AC15 at                                    | <b>230 V</b>             |
| Max. current                               | <b>5 A</b>               |
| DC13 (6 cycles/min) at                     | <b>24 V</b>              |
| Max. current                               | <b>7 A</b>               |
| Utilisation category in accordance with UL |                          |
| Voltage                                    | <b>240 V AC G. P.</b>    |
| with current                               | <b>8 A</b>               |
| Voltage                                    | <b>24 V DC Resistive</b> |
| with current                               | <b>5 A</b>               |
| Pilot Duty                                 | <b>B300, R300</b>        |

**Relay outputs**

External contact fuse protection, safety contacts

|                                               |                     |
|-----------------------------------------------|---------------------|
| in accordance with the standard               | <b>EN 60947-5-1</b> |
| Max. melting integral                         | <b>240 A²s</b>      |
| Blow-out fuse, quick                          | <b>10 A</b>         |
| Blow-out fuse, slow                           | <b>6 A</b>          |
| Blow-out fuse, gG                             | <b>10 A</b>         |
| Circuit breaker 24V AC/DC, characteristic B/C | <b>6 A</b>          |

External contact fuse protection, auxiliary contacts

|                                                 |                |
|-------------------------------------------------|----------------|
| Max. melting integral                           | <b>240 A²s</b> |
| Blow-out fuse, quick                            | <b>10 A</b>    |
| Blow-out fuse, slow                             | <b>6 A</b>     |
| Blow-out fuse, gG                               | <b>10 A</b>    |
| Circuit breaker, 24 V AC/DC, characteristic B/C | <b>6 A</b>     |

Contact material

**AgSnO<sub>2</sub> + 0,2 µm Au****Conventional thermal current while loading several contacts**I<sub>th</sub> per contact at UB AC; AC1: 240 V, DC1: 24 V

|                                      |              |
|--------------------------------------|--------------|
| Conv. therm. current with 1 contact  | <b>8 A</b>   |
| Conv. therm. current with 2 contacts | <b>7 A</b>   |
| Conv. therm. current with 3 contacts | <b>5,7 A</b> |
| Conv. therm. current with 4 contacts | <b>5 A</b>   |
| Conv. therm. current with 5 contacts | <b>4,4 A</b> |
| Conv. therm. current with 6 contacts | <b>4 A</b>   |

I<sub>th</sub> per contact at UB DC; AC1: 240 V, DC1: 24 V

|                                      |              |
|--------------------------------------|--------------|
| Conv. therm. current with 1 contact  | <b>8 A</b>   |
| Conv. therm. current with 2 contacts | <b>7 A</b>   |
| Conv. therm. current with 3 contacts | <b>5,7 A</b> |
| Conv. therm. current with 4 contacts | <b>5 A</b>   |
| Conv. therm. current with 5 contacts | <b>4,4 A</b> |
| Conv. therm. current with 6 contacts | <b>4 A</b>   |

**Times**

Switch-on delay

|                      |               |
|----------------------|---------------|
| Typ. switch-on delay | <b>100 ms</b> |
|----------------------|---------------|

Delay-on de-energisation

|                  |              |
|------------------|--------------|
| with E-STOP typ. | <b>30 ms</b> |
| with E-STOP max. | <b>50 ms</b> |

Supply interruption before de-energisation

**10 ms**

Simultaneity, channel 1 and 2 max.

**4 s****Environmental data**

Climatic suitability

**EN 60068-2-78**

Ambient temperature

|                   |                    |
|-------------------|--------------------|
| Temperature range | <b>-10 - 55 °C</b> |
|-------------------|--------------------|

Storage temperature

|                   |                    |
|-------------------|--------------------|
| Temperature range | <b>-40 - 85 °C</b> |
|-------------------|--------------------|

**Environmental data**

|                                      |                                                 |
|--------------------------------------|-------------------------------------------------|
| Climatic suitability                 |                                                 |
| Humidity                             | <b>93 % r. h. at 40 °C</b>                      |
| Condensation during operation        | <b>Not permitted</b>                            |
| EMC                                  | <b>EN 60947-5-1, EN 61000-6-2, EN 61326-3-1</b> |
| Vibration                            |                                                 |
| in accordance with the standard      | <b>EN 60068-2-6</b>                             |
| Frequency                            | <b>10 - 55 Hz</b>                               |
| Amplitude                            | <b>0,35 mm</b>                                  |
| Airgap creepage                      |                                                 |
| in accordance with the standard      | <b>EN 60947-1</b>                               |
| Overvoltage category                 | <b>III / II</b>                                 |
| Pollution degree                     | <b>2</b>                                        |
| Rated insulation voltage             | <b>250 V</b>                                    |
| Rated impulse withstand voltage      | <b>4 kV</b>                                     |
| Protection type                      |                                                 |
| Housing                              | <b>IP40</b>                                     |
| Terminals                            | <b>IP20</b>                                     |
| Mounting area (e.g. control cabinet) | <b>IP54</b>                                     |

**Mechanical data**

|                                                                                                     |                                              |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------|
| Mounting position                                                                                   | <b>Any</b>                                   |
| Mechanical life                                                                                     | <b>10,000,000 cycles</b>                     |
| Material                                                                                            |                                              |
| Bottom                                                                                              | <b>PPO UL 94 V1</b>                          |
| Front                                                                                               | <b>PMMA</b>                                  |
| Top                                                                                                 | <b>PPO UL 94 V1</b>                          |
| Connection type                                                                                     | <b>Screw terminal</b>                        |
| Mounting type                                                                                       | <b>Fixed</b>                                 |
| Conductor cross section with screw terminals                                                        |                                              |
| 1 core flexible                                                                                     | <b>0,2 - 4 mm<sup>2</sup>, 24 - 10 AWG</b>   |
| 2 core with the same cross section, flexible with crimp connectors, no plastic sleeve               | <b>0,2 - 2,5 mm<sup>2</sup>, 24 - 14 AWG</b> |
| 2 core with the same cross section, flexible without crimp connectors or with TWIN crimp connectors | <b>0,2 - 2,5 mm<sup>2</sup>, 24 - 14 AWG</b> |
| Torque setting with screw terminals                                                                 | <b>0,5 Nm</b>                                |
| Stripping length with screw terminals                                                               | <b>6 mm</b>                                  |
| Dimensions                                                                                          |                                              |
| Height                                                                                              | <b>87 mm</b>                                 |
| Width                                                                                               | <b>90 mm</b>                                 |
| Depth                                                                                               | <b>121 mm</b>                                |
| Weight                                                                                              | <b>530 g</b>                                 |

## Safety characteristic data



### NOTICE

You must comply with the safety characteristic data in order to achieve the required safety level for your plant/machine.

| Operating mode | EN ISO 13849-1: 2023 | EN ISO 13849-1: 2023 | EN IEC 62061 SIL CL/max. | EN IEC 62061 61508 | EN/IEC 61511 61508 | EN/IEC 61511 61508 | EN ISO 13849-1: 2023  |
|----------------|----------------------|----------------------|--------------------------|--------------------|--------------------|--------------------|-----------------------|
| PL             | Category             | Category             | SIL                      | PFH [1/h]          | SIL                | PFD                | T <sub>M</sub> [year] |
| –              | PL e                 | Cat. 4               | SIL 3                    | 5,14E-09           | SIL 3              | 4,98E-06           | 20                    |

Explanatory notes for the safety-related characteristic data:

- T<sub>M</sub> is the maximum mission time in accordance with EN ISO 13849-1. The value also applies as the retest interval in accordance with EN IEC 61508-6 and EN IEC 61511 and as the proof test interval and mission time in accordance with EN IEC 62061.

All the units used within a safety function must be considered when calculating the safety characteristic data.



### INFORMATION

A safety function's SIL/PL values are **not** identical to the SIL/PL values of the products used and may differ from these.

## Supplementary data



### CAUTION!

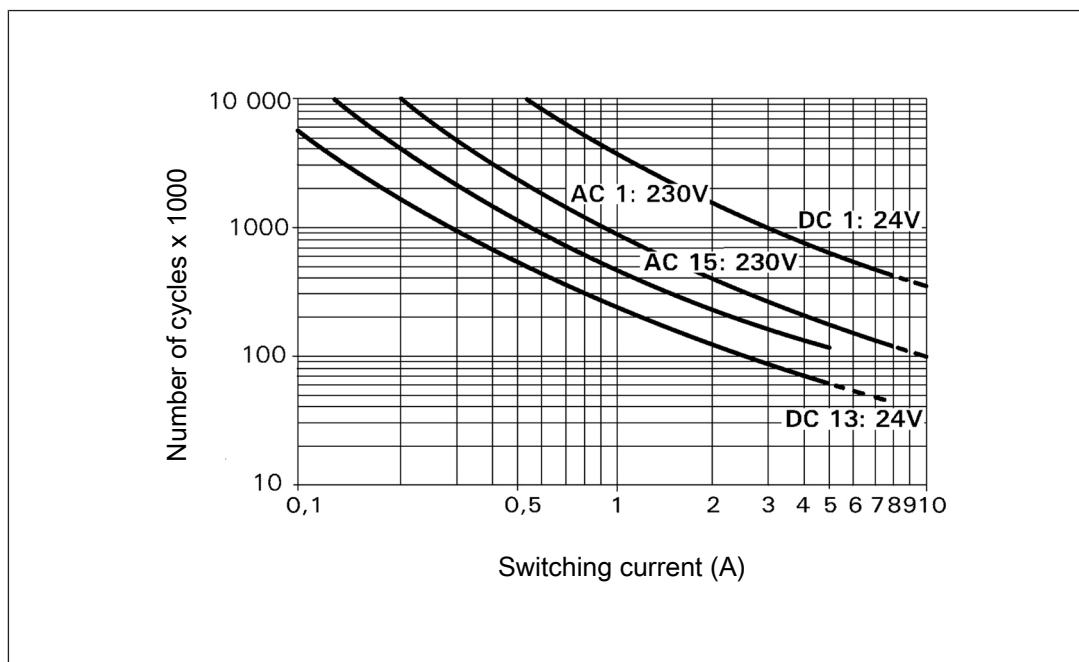
It is essential to consider the relay's service life graphs. The relay outputs' safety-related characteristic data is only valid if the values in the service life graphs are met.

The PFH value depends on the switch frequency and the load of the relay output.

If the service life graphs are not accessible, the stated PFH value can be used irrespective of the switch frequency and the load, as the PFH value already considers the relay's B10d value as well as the failure rates of the other components.

### Service life graph

The service life graphs indicate the number of cycles from which failures due to wear must be expected. The wear is mainly caused by the electrical load; the mechanical load is negligible.



### Example

- ▶ Inductive load: 0.2 A
- ▶ Utilisation category: AC15
- ▶ Contact service life: 4 000 000 cycles

Provided the application to be implemented requires fewer than 4 000 000 cycles, the PFH value (see Technical details) can be used in the calculation.

To increase the service life, sufficient spark suppression must be provided on all output contacts. With capacitive loads, any power surges that occur must be noted. With DC contactors, use flywheel diodes for spark suppression.

### Order reference

| Product type | Features | Connection type | Product ID |
|--------------|----------|-----------------|------------|
| PST 4        | 24 VDC   | Screw terminals | 720300     |

### EU/EC declaration of conformity

These products meet the requirements of the directive 2006/42/EC on machinery up to and including 19 January 2027, and the EU regulation 2023/1230 of the European Parliament and of the Council from 20 January 2027. The full EU and EC declaration of conformity is available to download at [www.pilz.com/manuals](http://www.pilz.com/manuals).

Authorised representative: Pilz GmbH & Co. KG, Felix-Wankel-Str. 2, 73760 Ostfildern, Germany

### **UKCA-Declaration of Conformity**

These products comply with following UK legislation: Supply of Machinery (Safety) Regulation 2008.

The complete UKCA Declaration of Conformity is available on the Internet at [www.pilz.com/manuals](http://www.pilz.com/manuals).

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# Support

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## Reporting security vulnerabilities or security incidents

If you would like to report a security vulnerability or a security incident in connection with a Pilz product, please contact our **Pilz Product Security Incident Response Team (PSIRT)**.

You can reach us at: [www.pilz.com/psirt](http://www.pilz.com/psirt)

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