



Product Service

# EC-Type Examination Certificate

No. M6A 020132 0272 Rev. 01

**Holder of Certificate:** **Pilz GmbH & Co. KG**  
Felix-Wankel-Str. 2  
73760 Ostfildern  
GERMANY

**Product:** **Safety components**  
**Safety PWM Relay**

**Model(s):** **PNOZ s50**

**Parameters:** Power supply: 24VDC -15% / +20%  
Ambient temperature: 0°C to +55°C

The report and the user documentation in the current valid revision are mandatory part of this certificate. The product complies with the following safety requirements only if the specifications documented in the currently valid revision of this report are met. The certified components are listed in report PO92663T in the current valid revision.

This EC Type Examination Certificate is issued according to Article 12(3) b or 12(4) a of Council Directive 2006/42/EC relating to machinery. It confirms that the listed Annex-IV equipment complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** PO85050C

**Valid until:** 2028-05-01

**Date,** 2023-05-03

( Claudio Gregorio )

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TÜV SÜD Product Service GmbH is Notified Body according to Council Directive 2006/42/EC relating to machinery, notified by publication in the Official Journal of the EC with identification No.0123.

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Product Service

# CERTIFICATE

No. Z10 020132 0271 Rev. 01

**Holder of Certificate:** Pilz GmbH & Co. KG  
Felix-Wankel-Str. 2  
73760 Ostfildern  
GERMANY

**Certification Mark:**



**Product:** Safety components  
Safety PWM Relay

**Model(s):** PNOZ s50

**Parameters:** Power supply: 24VDC -15% / +20%  
Ambient temperature: 0°C to +55°C

The report and the user documentation in the current valid revision are mandatory part of this certificate. The product complies with the following safety requirements only if the specifications documented in the currently valid revision of this report are met.

The certified components are listed in report PO92663T in the current valid revision.

**Tested according to:** EN ISO 13849-1:2015 (Cat. 4, PL e)  
EN 61508-1:2010 (SIL 3)  
EN 61508-2:2010 (SIL 3)  
EN 61508-3:2010 (SIL 3)  
EN 61508-4:2010 (SIL 3)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** PO85050C  
**Valid until:** 2028-04-26

**Date,** 2023-05-03

( Claudio Gregorio )



**Liste der Varianten  
des Sicherheits PWM-Schaltgeräts  
PNOZ s50 C**

**List of variants  
of safety PWM Relay**

**PNOZ s50 C**

**Hersteller / Manufacturer:**

Pilz GmbH & Co. KG  
Felix-Wankel-Straße 2  
D-73760 Ostfildern  
Germany

**Bericht-Nr. / Report no:**

**PO92663T**

Revision 1.2

2023-05-03

**Prüfstelle / Test body:**

TÜV SÜD RAIL GmbH  
Rail Automation

**Zertifizierungsstelle / Certification body:**

TÜV SÜD Product Service GmbH  
Ridlerstraße 65  
D-80339 München



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**Änderungshistorie / Change history:**

Version	Name	Datum / Date	Änderungen / Changes
1.2	Wolfgang Mayer	2023-05-03	PO100788T Rezertifizierung/Re-certification

**Änderungen zur Vorgängerversion / Changes to the previous version:**

Kapitel Chapter	Type / Device	Bemerkung / Remarks
All	PNOZs50	Version 1.2, FW 1.2.1



Grundgeräte / Basic modules									
Typ <sup>A)</sup> Type	Sach-Nr. Order No.	Ver- sion	Test- Report	Sicherheitsrelevante Strompfade <sup>B)</sup> Safety related circuits					Bemerkung / Remark
				Safety Output	PFH <sub>0</sub>	SIL CL	Cat	PL	
<b>PNOZ s50</b>	751500 751509	1.2	PO85049T V1.0 PO85050C V1.2 PO97688T V1.0 PO100788T V1.0	<b>O1+ / O1- O2+ / O2-</b>	<b>1,05·10<sup>-9</sup></b>	<b>3</b>	<b>4</b>	<b>e</b>	Safety output channel: max. 96W cont. 6-48V  FW 1.2.1


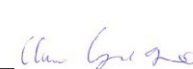
## 1. Anmerkungen / Comment

### A) Typ / Type

Kann durch Zeichen im Bereich A...Z ergänzt sein.  
Can be added by Character in range A...Z.

### B) Sicherheitskennwerte / Safety characteristics

<b>SIL CL:</b>	Maximal erreichbarer Safety Integrity Level entsprechend EN / IEC 62061 Maximum obtainable Safety Integrity Level according EN / IEC 62061
<b>Cat :</b>	Kategorie entsprechend EN ISO 13849-1 Category according EN ISO 13849-1
<b>PL:</b>	Maximal erreichbarer Performance Level entsprechend EN ISO 13849-1 Maximum obtainable Performance Level according EN ISO 13849-1.

	Freigabe Prüfstelle: Release by Test Body:	Freigabe Zertifizierstelle: Release by Certification Body:
Datum: Date:	2023-05-03	2023-05-03
Unterschrift: Signature:	 Wolfgang Mayer 2023.05.03 08:20:44 +02'00'	 Digital signiert von Claudio Gregorio Datum: 2023.05.03 10:18:32 +02'00'