



Product Service

EC-Type Examination Certificate

No. M6A 020132 0268 Rev. 01

Holder of Certificate: **Pilz GmbH & Co. KG**

Felix-Wankel-Str. 2
73760 Ostfildern
GERMANY

Product: **Safety components
Safety Relay**

Model(s): **PNOZclassic**

Parameters:

Power Supply:	12V - 24V DC 24V - 240V AC 24V - 240V AC/DC
Protection class:	IP20

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 PO88749T 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

Test report no.: **PO88748C**

Valid until: 2026-05-31

Date, 2021-06-02

(Claudio Gregorio)

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

TÜV®



Product Service

CERTIFICATE

No. Z10 020132 0267 Rev. 01

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

Certification Mark:



Product: **Safety components
Safety Relay**

Model(s): **PNOZclassic**

Parameters:

Power Supply:	12V - 24V DC 24V - 240V AC 24V - 240V AC/DC
Protection class:	IP20

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Tested according to: EN ISO 13849-1:2015 (up to Cat.4 PL e)
EN 62061:2005/A2:2015 (up to SILCL 3)
EN 60947-5-1:2017

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

Test report no.: **PO88748C**
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(Claudio Gregorio)



**Liste der Varianten
der Sicherheitsschaltgeräte-Familie
PNOZclassic**

**List of variants
of safety relay family**

PNOZclassic

Hersteller/Manufacturer:

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

Bericht-Nr./Report no:

PO88749T

Revision **1.2**

2021-06-01

Prüfstelle/Test body:

TÜV SÜD RAIL GmbH
Rail – Automation
Barthstraße 16
D-80339 München



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Änderungshistorie/Change history:

Version	Name	Datum/Date	Änderungen/Changes
1.0	Jens Luther	2016-06-14	Erste Ausgabe/First release
1.1	Jens Luther	2018-06-11	Korrekturen/Correction
1.2	Jens Luther	2021-06-01	Rezertifizierung/Re-certification

Änderungen zur Vorgängerversion/Changes to the previous version:

Kapitel Chapter	Type Device	Bemerkung/Remarks
All	-	Modifikationsbericht hinzugefügt/Modification report added



1 PNOZ

Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH _D	SIL CL	PL	
PNOZ 1 24V DC	775695	1.0	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34	2,31·10⁻⁰⁹	3	e	--
PNOZ 1 24V AC	775600	1.0						
PNOZ 1 48V AC	775620	1.0						
PNOZ 1 110-120V AC	775630	1.0						
PNOZ 1 230-240V AC	775650	1.0						
PNOZ 2 24V AC	775800	1.0	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34	2,31·10⁻⁰⁹	3	e	--
PNOZ 2 42V AC	775810	1.0						
PNOZ 2 110V AC	775830	1.0						
PNOZ 2 230V AC	775850	1.0						

1 PNOZ

Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH _D	SIL CL	PL	
PNOZ 8 24V DC	774760	1.0	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 8 24V AC	774770	1.0						
PNOZ 8 110V AC	774764	1.0						
PNOZ 8 230V AC	774768	1.0						
PNOZ 10 24V DC	774009	3.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 10 24V AC	774000	3.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 10 42V AC	774001	3.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64	2,31·10 ⁻⁰⁹	3	e	--



1 PNOZ

Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH _D	SIL CL	PL	
PNOZ 10 48V AC	774002	3.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 10 110-120V AC	774003	3.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 10 230-240V AC	774006	3.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 11 24V AC / 24V DC	774080	3.4	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64 73-74	2,31·10 ⁻⁰⁹	3	e	--



1 PNOZ

Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH _D	SIL CL	PL	
PNOZ 11 42V AC / 24V DC	774081	3.4	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64 73-74	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 11 48V AC / 24V DC	774082	3.4	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64 73-74	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 11 110-120V AC / 24V DC	774085	3.4	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64 73-74	2,31·10 ⁻⁰⁹	3	e	--
PNOZ 11 230-240V AC / 24V DC	774086	3.4	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64 73-74	2,31·10 ⁻⁰⁹	3	e	--



1 PNOZ

Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH _D	SIL CL	PL	
PNOZ 15 24V DC	774050	3.1	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34	2,31·10⁻⁰⁹	3	e	--
PNOZ 16 24V AC / 24V DC	774060	4.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24	2,31·10⁻⁰⁹	3	e	--
PNOZ 16 42V AC / 24V DC	774061	4.2						
PNOZ 16 48V AC / 24V DC	774062	4.2						
PNOZ 16 110V AC / 24V DC	774063	4.2						
PNOZ 16 115V AC / 24V DC	774064	4.2						
PNOZ 16 120V AC / 24V DC	774065	4.2						
PNOZ 16 230V AC / 24V DC	774066	4.2						
PNOZ 16 240V AC / 24V DC	774067	4.2						
PNOZ 16S 24V AC / 24V DC	774070	4.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24	2,31·10⁻⁰⁹	3	e	--
PNOZ 16S 42V AC / 24V DC	774071	4.2						
PNOZ 16S 48V AC / 24V DC	774072	4.2						
PNOZ 16 110V AC / 24V DC	774073	4.2						



1 PNOZ

Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH _D	SIL CL	PL	
PNOZ 16S 115V AC / 24V DC	774074	4.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24	2,31·10⁻⁰⁹	3	e	--
PNOZ 16S 120V AC / 24V DC	774075	4.2						
PNOZ 16S 230V AC / 24V DC	774076	4.2						
PNOZ 16S 240V AC / 24V DC	774077	4.2						
PNOZ 16SP 24V AC / 24V DC	777070 787070	2.2 1.1	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24	2,31·10⁻⁰⁹	3	e	--
PNOZ 16SP 42V AC / 24V DC	777071 787071	2.2 1.1						
PNOZ 16SP 48V AC / 24V DC	777072 787072	2.2 1.1						
PNOZ 16P 110V AC / 24V DC	777073 787073	2.2 1.1						
PNOZ 16SP 115V AC / 24V DC	777074 787074	2.2 1.1						
PNOZ 16SP 120V AC / 24V DC	777075 787075	2.2 1.1						
PNOZ 16SP 230V AC / 24V DC	777076 787076	2.2 1.1						
PNOZ 16SP 240V AC / 24V DC	777077 787077	2.2 1.1						



2 PNOZ V

Typ / Type	Sach-Nr. Order No.	Version	Test-Report	Sicherheitsrelevante Strompfade Safety related circuits												Bemerkung Remark
				Unverzögerte Kontakte Undelayed contacts				Verzögerte Kontakte Delayed contacts tv < 30s				Verzögerte Kontakte Delayed contacts tv > 30s				
				Kontakte Contacts	PFH _D	SIL CL	PL	Kontakte Contacts	PFH _D	SIL CL	PL	Kontakte Contacts	PFH _D	SIL CL	PL	
PNOZ V 24V DC	774789 774790 774791	1.0	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34	2,31·10⁻⁰⁹	3	e	57-58	2,64·10⁻⁰⁹	3	d	57-58	2,87·10⁻⁰⁹	1	c	--
PNOZ 2VJ 24V DC	774012	5.1	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34	2,31·10⁻⁰⁹	3	e	57-58 67-68	2,64·10⁻⁰⁹	3	d	--	--	--	--	--
PNOZ 2VQ 24V DC	774013	5.1	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34	2,31·10⁻⁰⁹	3	e	57-58 67-68	2,64·10⁻⁰⁹	3	d	--	--	--	--	--



3 PST



Typ / Type	Sach-Nr. Order No.	Ver- sion	Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH _D	SIL CL	PL	
PST 4 24V DC	720300	4.4	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34 43-44 53-54 63-64	2,31·10 ⁻⁰⁹	3	e	--
PST 4 24V AC	720301	4.3						
PST 4 42 AC	720303	4.3						
PST 4 110V AC	720308	4.3						
PST 4 230V AC	720309	4.3						
PST 4 240V AC	720310	4.3						



4 Anmerkung/Comment

4.1 Sicherheitskennwerte/Safety characteristics:

SIL CL:	Safety Integrity Level entsprechend EN/IEC 62061 Safety Integrity Level according EN/IEC 62061
PL:	Performance Level entsprechend EN 13849-1 Performance Level according EN 13849-1.

	Freigabe Prüfstelle: Release by Test Body:	Freigabe Zertifizierstelle: Release by Certification Body:
Unterschrift: Signature:	 Digitally signed by Jens Luther Date: 2021.06.01 16:04:50 +02'00'	 Digital signiert von Claudio Gregorio Datum: 2021.06.02 08:50:52 +02'00'