



## Supply of Machinery (Safety) Regulations 2008 Type Examination Certificate

<b>Certificate number:</b>	<b>UK-MAC000099 i01</b>
<b>Certificate Holder and Manufacturer</b>	<b>PILZ GmbH</b> Felix-Wankel-Str. 2 73760 Ostfildern GERMANY
<b>Relevant Representative</b>	<b>PILZ Automation Ltd</b> Pilz House, Little Colliers Field, Corby Northants, NN18 8TJ United Kingdom
<b>Product(s)</b>	<b>Safety components</b> <b>Safety relay</b>
<b>Product Type</b>	<b>PNOZclassic</b>
<b>Apparatus (inc Variants)</b>	The report PO88748C 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 Type Examination Certificate is issued according to Regulation 11 or 12 of Statutory Instrument 2008 No. 1597 relating to Machinery and in accordance with the TÜV SÜD Testing and Certification Regulations. It confirms that the Technical Documentation File demonstrates that the listed Annex-IV equipment complies with the Essential Health & Safety Requirements of the Regulations.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_ 02/06/2023

On behalf of TUV SUD BAPT Unlimited

Valid from: 02/06/2023

(Signature) Matthias Ramold

Expiry Date: 01/06/2028

TUV SUD BAPT Unlimited is appointed as an Approved Body Number 0168 in accordance with Statutory Instrument 2008 No. 1597 for Machinery.

The UKCA marking may be used on the equipment described above, subject to the equipment meeting the requirements of all applicable Regulations.

This Certificate remains valid providing any conditions of validity to the Certificate are complied with. For further details related to this certification please contact [babt@tuvsud.com](mailto:babt@tuvsud.com)



**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 <sub>D</sub>	SIL CL	PL	
<b>PNOZ 1</b> 24V DC	775695	1.0	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	<b>13-14</b> <b>23-24</b> <b>33-34</b>	<b>2,31·10<sup>-09</sup></b>	<b>3</b>	<b>e</b>	--
<b>PNOZ 1</b> 24V AC	775600	1.0						
<b>PNOZ 1</b> 48V AC	775620	1.0						
<b>PNOZ 1</b> 110-120V AC	775630	1.0						
<b>PNOZ 1</b> 230-240V AC	775650	1.0						
<b>PNOZ 2</b> 24V AC	775800	1.0	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	<b>13-14</b> <b>23-24</b> <b>33-34</b>	<b>2,31·10<sup>-09</sup></b>	<b>3</b>	<b>e</b>	--
<b>PNOZ 2</b> 42V AC	775810	1.0						
<b>PNOZ 2</b> 110V AC	775830	1.0						
<b>PNOZ 2</b> 230V AC	775850	1.0						



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				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PNOZ 8</b> 24V DC	774760	1.0	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24 33-34	2,31·10 <sup>-09</sup>	3	e	--
<b>PNOZ 8</b> 24V AC	774770	1.0						
<b>PNOZ 8</b> 110V AC	774764	1.0						
<b>PNOZ 8</b> 230V AC	774768	1.0						
<b>PNOZ 10</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 10</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 10</b> 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 <sup>-09</sup>	3	e	--



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				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PNOZ 10</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 10</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 10</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 11</b> 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 <sup>-09</sup>	3	e	--



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Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PNOZ 11</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 11</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 11</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 11</b> 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 <sup>-09</sup>	3	e	--



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Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Unverzögerte Kontakte Undelayed contacts				
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PNOZ 15</b> 24V DC	774050	3.1	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	<b>13-14</b> <b>23-24</b> <b>33-34</b>	<b>2,31·10<sup>-09</sup></b>	<b>3</b>	<b>e</b>	--
<b>PNOZ 16</b> 24V AC / 24V DC	774060	4.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	<b>13-14</b> <b>23-24</b>	<b>2,31·10<sup>-09</sup></b>	<b>3</b>	<b>e</b>	--
<b>PNOZ 16</b> 42V AC / 24V DC	774061	4.2						
<b>PNOZ 16</b> 48V AC / 24V DC	774062	4.2						
<b>PNOZ 16</b> 110V AC / 24V DC	774063	4.2						
<b>PNOZ 16</b> 115V AC / 24V DC	774064	4.2						
<b>PNOZ 16</b> 120V AC / 24V DC	774065	4.2						
<b>PNOZ 16</b> 230V AC / 24V DC	774066	4.2						
<b>PNOZ 16</b> 240V AC / 24V DC	774067	4.2						
<b>PNOZ 16S</b> 24V AC / 24V DC	774070	4.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	<b>13-14</b> <b>23-24</b>	<b>2,31·10<sup>-09</sup></b>	<b>3</b>	<b>e</b>	--
<b>PNOZ 16S</b> 42V AC / 24V DC	774071	4.2						
<b>PNOZ 16S</b> 48V AC / 24V DC	774072	4.2						
<b>PNOZ 16</b> 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 <sub>D</sub>	SIL CL	PL	
<b>PNOZ 16S</b> 115V AC / 24V DC	774074	4.2	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	13-14 23-24	2,31·10 <sup>-09</sup>	3	e	--
<b>PNOZ 16S</b> 120V AC / 24V DC	774075	4.2						
<b>PNOZ 16S</b> 230V AC / 24V DC	774076	4.2						
<b>PNOZ 16S</b> 240V AC / 24V DC	774077	4.2						
<b>PNOZ 16SP</b> 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 <sup>-09</sup>	3	e	--
<b>PNOZ 16SP</b> 42V AC / 24V DC	777071 787071	2.2 1.1						
<b>PNOZ 16SP</b> 48V AC / 24V DC	777072 787072	2.2 1.1						
<b>PNOZ 16P</b> 110V AC / 24V DC	777073 787073	2.2 1.1						
<b>PNOZ 16SP</b> 115V AC / 24V DC	777074 787074	2.2 1.1						
<b>PNOZ 16SP</b> 120V AC / 24V DC	777075 787075	2.2 1.1						
<b>PNOZ 16SP</b> 230V AC / 24V DC	777076 787076	2.2 1.1						
<b>PNOZ 16SP</b> 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 <sub>D</sub>	SIL CL	PL	Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PNOZ V</b> 24V DC	774789 774790 774791	1.0	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	<b>13-14</b> <b>23-24</b> <b>33-34</b>	<b>2,31·10<sup>-09</sup></b>	<b>3</b>	<b>e</b>	<b>57-58</b>	<b>2,64·10<sup>-09</sup></b>	<b>3</b>	<b>d</b>	<b>57-58</b>	<b>2,87·10<sup>-09</sup></b>	<b>1</b>	<b>c</b>	--
<b>PNOZ 2VJ</b> 24V DC	774012	5.1	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	<b>13-14</b> <b>23-24</b> <b>33-34</b>	<b>2,31·10<sup>-09</sup></b>	<b>3</b>	<b>e</b>	<b>57-58</b> <b>67-68</b>	<b>2,64·10<sup>-09</sup></b>	<b>3</b>	<b>d</b>	--	--	--	--	--
<b>PNOZ 2VQ</b> 24V DC	774013	5.1	PO88748C V1.1 717509891 V1.1 PO96724T V1.0	<b>13-14</b> <b>23-24</b> <b>33-34</b>	<b>2,31·10<sup>-09</sup></b>	<b>3</b>	<b>e</b>	<b>57-58</b> <b>67-68</b>	<b>2,64·10<sup>-09</sup></b>	<b>3</b>	<b>d</b>	--	--	--	--	--



### 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 <sub>D</sub>	SIL CL	PL	
<b>PST 4</b> 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 <sup>-09</sup>	3	e	--
<b>PST 4</b> 24V AC	720301	4.3						
<b>PST 4</b> 42 AC	720303	4.3						
<b>PST 4</b> 110V AC	720308	4.3						
<b>PST 4</b> 230V AC	720309	4.3						
<b>PST 4</b> 240V AC	720310	4.3						



#### 4 Anmerkung/Comment

##### 4.1 Sicherheitskennwerte/Safety characteristics:

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

	<b>Freigabe Prüfstelle: Release by Test Body:</b>	<b>Freigabe Zertifizierstelle: Release by Certification Body:</b>
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'