



# EU-Type Examination Certificate

No. M6R 020132 0318 Rev. 00

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

**Product:** **Safety components**  
**Electronic Safety Relay**

**Model(s):** **PNOZsigma**

**Parameters:** The test report (see below) is part of this certificate.  
The certified components with their specific parameters  
are listed in PO87415T.

This EU-type examination certificate is issued based on Machinery Regulation (EU) 2023/1230 Article 25 (2) (a) respectively Article 25 (3) (b) and confirms compliance with the applicable essential health and safety requirements for the above mentioned Annex I (Part A or Part B) machinery or related product. The test basis are the referenced (harmonized) standards as well as common and technical specifications (if applicable).

This EU-type examination certificate refers exclusively to the machinery or related product presented to TÜV SÜD Group for testing and certification and its technical documentation.

For further details please see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** PO107035C

**Valid until:** 2031-06-10

**Date,** 2026-06-12

( Matthias Ramold )

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TÜV SÜD Product Service GmbH is Notified Body according to Machinery Regulation (EU) 2023/1230 relating to products within the scope of this regulation, notified by publication on NANDO Information System of the EC with identification NB 0123. Start of legal „content based“ certificate validity: 2027-01-20. CE marking followed by the identification number “0123” shall be affixed by the manufacturer or the manufacturer’s authorised representative to the machinery or related product prior to place the product on market.



# EU-Type Examination Certificate

No. M6R 020132 0318 Rev. 00

**Tested according to harmonised standard(s):** -/-

**Common specification(s):** -/-

**Other technical specifications:** EN ISO 13849-1:2023 (up to Cat. 4 PL e)  
EN IEC 62061:2021  
EN 60947-5-1:2017  
IEC 61508-1:2010  
IEC 61508-2:2010  
IEC 61511-1:2016

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TÜV SÜD Product Service GmbH is Notified Body according to Machinery Regulation (EU) 2023/1230 relating to products within the scope of this regulation, notified by publication on NANDO Information System of the EC with identification NB 0123. Start of legal „content based“ certificate validity: 2027-01-20. CE marking followed by the identification number “0123” shall be affixed by the manufacturer or the manufacturer’s authorised representative to the machinery or related product prior to place the product on market.



# EC-Type Examination Certificate

No. M6A 020132 0262 Rev. 03

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

**Product:** **Safety components**  
**Electronic Safety Relay**

**Model(s):** **PNOZsigma**

**Parameters:** Protection Class: IP20 (terminals)  
IP40 (housing)

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 PO87415T 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.:** PO107035C

**Valid until:** 2031-06-10

**Date,** 2026-06-12

( Matthias Ramold )

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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.

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TUV®



# CERTIFICATE

No. Z10 020132 0252 Rev. 03

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

**Certification Mark:**



**Product:** Safety components  
Electronic Safety Relay

**Model(s):** PNOZsigma

**Parameters:** Protection Class: IP20 (terminals)  
IP40 (housing)

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 PO87415T in the current valid revision.

**Tested according to:** EN ISO 13849-1:2023 (up to Cat. 4 PL e)  
EN IEC 62061:2021  
EN 60947-5-1:2017  
IEC 61508-1:2010  
IEC 61508-2:2010  
IEC 61508-3:2010  
IEC 61511-1:2016

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, Certification, Validation and Verification 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.:** PO107035C

**Valid until:** 2031-06-10

**Date,** 2026-06-12

( Matthias Ramold )



**Liste der Varianten  
der Sicherheitsschaltgeräte-Familie  
PNOZsigma**

**List of variants  
of safety relay family  
PNOZsigma**

**Hersteller / Manufacturer:**

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

**Bericht-Nr. / Report no: PO87415T**

Revision 2.8  
2026-06-11

**Prüfstelle / Test body:**

TÜV SÜD RAIL GmbH  
Rail Automation

**Zertifizierungsstelle / Certification body:**

TÜV SÜD Product Service GmbH  
Ridlerstraße 65  
80686 München



**Inhalt / content:**

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**Änderungshistorie / Change history:**

Version	Name	Datum / Date	Änderungen / Changes
2.8	W. Mayer	2026-06-11	Maschinenverordnung/Machinery Regulation Update EN ISO 13849-1:20215 -> 2023 Report on Certificate PO107094T

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

Kapitel Chapter	Type / Device	Bemerkung / Remarks
1-3	all	Technical Report of Modification PO107094T

## 1 Grundgeräte / Basic modules

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test- Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
<b>PNOZ s1 24VDC</b>	750101 751101	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24	2,00·10 <sup>-07</sup>	2	3	c	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s2 24VDC</b>	750102 751102	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97795T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,50·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s3 24VDC</b>	750103 751103	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97795T V1.0 PO97688T V1.0 PO98209T V1.0 PO99999T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24	2,31·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level



## 1 Grundgeräte / Basic modules

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test- Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
<b>PNOZ s4 24VDC</b>	750104 751104	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97795T V1.0 PO97688T V1.0 PO98209T V1.0 PO99999T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,31·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s4 24VDC coated</b>	751184	1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97795T V1.0 PO97688T V1.0 PO98209T V1.0 PO99999T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,31·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s4 48-240VACDC</b>	750134 751134	1.1 1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,31·10 <sup>-09</sup>	3	4	e	--



## 1 Grundgeräte / Basic modules

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test- Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
<b>PNOZ s4.1 24VDC</b>	750124 751124	1.2 1.2 HW: 1.2 FW 1.3	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO105609T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,31·10 <sup>-09</sup>	3	4	e	<p>Einsatz bis 5000m über NN For use up to 5000m over sea level</p> <p>Das Sicherheitschaltgerät entspricht hinsichtlich des Aufbaus, der umgebungsbedingten Beanspruchung und der funktionalen Sicherheit anwendbaren Anforderungen der <b>DIN EN 50156-1:2025-08</b> und <b>DIN EN 298:2024-03</b>; und erfüllt die Anforderungen der <b>DIN EN 50156-2:2016-03</b>. Weitere Informationen können im Bericht C1391-02/25 gefunden werden.</p> <p>Concerning construction, protection against environmental influences and functional safety, the safety relay complies with the applicable requirements of <b>DIN EN 50156-1:2025-08</b> and of <b>DIN EN 298:2024-03</b>; and conforms to <b>DIN EN 50156-2:2016-03</b>. Further information can be obtained from report C1391-02/25.</p>
<b>PNOZ s4.1 48-240VACDC</b>	750154 751154	1.2 1.2 HW: 1.2 FW 1.3	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO105609T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,31·10 <sup>-09</sup>	3	4	e	<p>Das Sicherheitschaltgerät entspricht hinsichtlich des Aufbaus, der umgebungsbedingten Beanspruchung und der funktionalen Sicherheit anwendbaren Anforderungen der <b>DIN EN 50156-1:2025-08</b> und <b>DIN EN 298:2024-03</b>; und erfüllt die Anforderungen der <b>DIN EN 50156-2:2016-03</b>. Weitere Informationen können im Bericht C1391-02/25 gefunden werden.</p> <p>Concerning construction, protection against environmental influences and functional safety, the safety relay complies with the applicable requirements of <b>DIN EN 50156-1:2025-08</b> and of <b>DIN EN 298:2024-03</b>; and conforms to <b>DIN EN 50156-2:2016-03</b>. Further information can be obtained from report C1391-02/25.</p>



## 1 Grundgeräte / Basic modules

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test- Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
<b>PNOZ s5 24VDC</b>	750105 751105	1.3 1.3	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO100797T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24	2,31·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
				37-38 47-48					2,34·10 <sup>-09</sup>
<b>PNOZ s5 HT 24VDC</b>	750105HT	1.3	PO94902T V1.0 PO87414T V2.3 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO100797T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24	2,31·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
				37-38 47-48					2,34·10 <sup>-09</sup>
<b>PNOZ s5 24VDC coated</b>	751185	1.3	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO100797T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24	2,31·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
				37-38 47-48					2,34·10 <sup>-09</sup>
<b>PNOZ s5 48-240VACDC</b>	750135	1.3		13-14 23-24	2,31·10 <sup>-09</sup>	3	4	e	--

## 1 Grundgeräte / Basic modules

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test- Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
	751135	1.3	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	37-38 47-48	2,34·10 <sup>-09</sup>	3	4	e	Verzögerte Kontakte / Delayed contacts
<b>PNOZ s6.1 24VDC</b>	750126 751126	1.1 1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	5,99 10 <sup>-8</sup>	3	4	e	NOT-AUS-Funktion / Schutztürüberwachung / Zustimmtaster - Gleichzeitigkeits-Überwachung gemäß EN 60204-1, Einsatz bis 5000m über NN Emergency stop function / Safety gate monitoring / Pushbutton - simultaneity monitoring according EN 60204-1, For use up to 5000m over sea level
<b>PNOZ s6.1 48-240VACDC</b>	750156 751156	1.1 1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	5,99 10 <sup>-8</sup>	3	4	e	NOT-AUS-Funktion / Schutztürüberwachung / Zustimm- taster - Gleichzeitigkeits-Überwachung gemäß EN 60204-1 Emergency stop function / Safety gate monitoring / Pushbutton - simultaneity monitoring according EN 60204-1



## 2 Zweihandüberwachung / Two-hand monitoring

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test-Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
<b>PNOZ s6 24VDC</b>	750106 751106	1.1 1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,62·10 <sup>-09</sup>	3	4	e	Geeignet für Zweihandschaltungen bis Typ IIIC gemäß EN 574 / EN ISO 13851, Einsatz bis 5000m über NN Applicable for two-hand controls until type IIIC according EN 574 / EN ISO 13851, For use up to 5000m over sea level
<b>PNOZ s6 48-240VACDC</b>	750136 751136	1.1 1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,62·10 <sup>-09</sup>	3	4	e	Geeignet für Zweihandschaltungen bis Typ IIIC gemäß EN 574 / EN ISO 13851 Applicable for two-hand controls until type IIIC according EN 574574 / EN ISO 13851
<b>PNOZ s6.1 24VDC</b>	750126 751126	1.1 1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	5,99 10 <sup>-8</sup>	1	1	c	Geeignet für Zweihandschaltungen bis Typ IIIA gemäß EN 574 / EN ISO 13851, Einsatz bis 5000m über NN Applicable for two-hand controls until type IIIA according EN 574 / EN ISO 13851, For use up to 5000m over sea level
<b>PNOZ s6.1 48-240VACDC</b>	750156 751156	1.1 1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	5,99 10 <sup>-8</sup>	1	1	c	Geeignet für Zweihandschaltungen bis Typ IIIA gemäß EN 574 / EN ISO 13851 Applicable for two-hand controls until type IIIA according EN 574 / EN ISO 13851



### 3 Kontakterweiterung / Contact expander

Hinweis: Die tatsächlich erreichbaren Sicherheitskennwerte sind vom verwendeten Auswertegerät abhängig /  
 Remark: The at last reachable safety parameters are dependent on the used basic module

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test-Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
<b>PNOZ s7 24VDC</b>	750107 751107	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T 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>4</b>	<b>e</b>	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s7 24VDC coated</b>	751187	1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T 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>4</b>	<b>e</b>	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s7.1 24VDC</b>	750167 751167	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T 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>4</b>	<b>e</b>	Einsatz bis 5000m über NN For use up to 5000m over sea level



### 3 Kontakterweiterung / Contact expander

Hinweis: Die tatsächlich erreichbaren Sicherheitskennwerte sind vom verwendeten Auswertegerät abhängig /  
 Remark: The at last reachable safety parameters are dependent on the used basic module

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test-Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
<b>PNOZ s7.2 24VDC</b>	750177 751177	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO100252T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,31·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s8 24VDC</b>	750108 751108	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24	2,00·10 <sup>-07</sup>	2	3	c	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s9 24VDC</b>	750109 751109	1.1 1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,34·10 <sup>-09</sup>	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level



### 3 Kontakterweiterung / Contact expander

Hinweis: Die tatsächlich erreichbaren Sicherheitskennwerte sind vom verwendeten Auswertegerät abhängig /  
 Remark: The at last reachable safety parameters are dependent on the used basic module

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test-Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
<b>PNOZ s9 24VDC coated</b>	751189	1.1	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34	2,34·10-09	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s10 24VDC</b>	750110 751110	1.2 1.2	717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34 43-44	2,31·10-09	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
<b>PNOZ s11 24VDC</b>	750111 751111	1.1 1.1	717509892 V1.3 PO87414T V2.3 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO102182T V1.0 PO105048T V1.0 PO107094T V1.0	13-14 23-24 33-34 43-44 63-64 73-74 83-84 93-94	2,31·10-09	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level



### 3 Kontakterweiterung / Contact expander

Hinweis: Die tatsächlich erreichbaren Sicherheitskennwerte sind vom verwendeten Auswertegerät abhängig /  
 Remark: The at last reachable safety parameters are dependent on the used basic module

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test-Report	Sicherheitsrelevante Strompfade (T <sub>M</sub> = 20) <sup>3)</sup> Safety related circuits (T <sub>M</sub> = 20) <sup>3)</sup>					Bemerkung <sup>2)</sup> Remark <sup>2)</sup>
				Safety Output	PFH <sub>D</sub>	max. SIL	Cat	PL	
PNOZ s20 24VDC	750160 751160	1.1	717510562 V1.0 717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	14 (24)	1,32·10-08	2	2	d	Einkanalig, Einsatz bis 5000m über NN Single channel, for use up to 5000m over sea level
		1.1	PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	14 & 24	2,03·10-09	3	4	e	Zweikanalig, Einsatz bis 5000m über NN Dual channel, for use up to 5000m over sea level
PNOZ s22 24VDC	750132 751132	1.1	717510562 V1.0 717509892 V1.3 PO87414T V2.0 PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	Ext.1/O0: 13-14 23-24 33-34	2,50·10-09	3	4	e	Einsatz bis 5000m über NN For use up to 5000m over sea level
		1.1	PO96728T V1.0 PO97688T V1.0 PO98209T V1.0 PO100252T V1.0 PO105048T V1.0 PO107094T V1.0	Ext.2/O1: 13-14 23-24 33-34	2,50·10-09	3	4	e	



#### 4 Zubehör / Accessory

Für diese Module wurde die Rückwirkungsfreiheit nachgewiesen.  
For these modules the absence of interaction was proven.

Typ Type	Sach-Nr. <sup>1)</sup> Oder No. <sup>1)</sup>	Version	Internal Test-Report	Bemerkung Remark
PNOZ s pIE	750900	1.0	717505994	Reihenklammern mit Filterfunktion für Sicherheitseingänge mit positiven Spannungspotenzial Terminal blocks with filter function for safety inputs with positive voltage potential
PNOZ s nIE	750910	1.0	717505994	Reihenklammern mit Filterfunktion für Sicherheitseingänge mit positiven Spannungspotenzial Terminal blocks with filter function for safety inputs with positive voltage potential



## 5 Anmerkungen / Comment

### <sup>1</sup> Sachnummer / Order No.

Kann durch Zeichen im Bereich 00...99 und AA...ZZ ergänzt sein.  
Can be added by Character in range 00...99 and AA...ZZ.



### <sup>2</sup> Bemerkungen / Remarks

#### Zulässige Einsatzhöhe / Allowed operation altitude

Dieses Produkt darf bis zu angegebenen Höhe über NN eingesetzt werden. Ab 2000 Meter müssen die in der Benutzerdokumentation angegebenen Einschränkungen unbedingt eingehalten werden.  
This product can be used up to the altitude above sea level. Above 2000 meter the restriction mentioned in the user documentation must be strictly adhered.

### <sup>3</sup> Sicherheitskennwerte / Safety characteristics

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

	<b>Freigabe Prüfstelle: Release by Test Body:</b>	<b>Freigabe Zertifizierstelle: Release by Certification Body:</b>
Datum: Date:	2026-06-11	2026-06-11
Unterschrift: Signature:	 Wolfgang Mayer 2026.06.11 12:07:13 +02'00'	 Matthias Ramold 2026.06.12 10:41:29 +02'00'