



Product Service

# EC-Type Examination Certificate

No. M6A 020132 0264 Rev. 01

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

Felix-Wankel-Str. 2  
73760 Ostfildern  
GERMANY

**Product:** **Safety components  
Contact expansions module**

**Model(s):** **PZE**

**Parameters:**

Power Supply:	24V - 48V 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 PO88943T 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.:** **PO88942C**

**Valid until:** 2026-07-12

**Date,** 2021-07-14

( Claudio Gregorio )

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Product Service

# CERTIFICATE

No. Z10 020132 0263 Rev. 01

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

Felix-Wankel-Str. 2  
73760 Ostfildern  
GERMANY

**Certification Mark:**



**Product:** **Safety components  
Contact expansions module**

**Model(s):** **PZE**

**Parameters:**

Power Supply:	24V - 48V 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 PO88943T in the current valid revision.

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** **PO88942C**  
**Valid until:** 2026-07-12

**Date,** 2021-07-14

( Claudio Gregorio )



**Liste der Varianten  
der Sicherheitsschaltgeräte-Familie  
PZE**

**List of variants  
of safety relay family**

**PZE**

**Hersteller / Manufacturer:**

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

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

**PO88943T**

Revision 1.4

2021-07-13

**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	2016-07-18	Erste Ausgabe / First release
1.1	W. Mayer	2017-09-29	PZE 9 42VAC hinzugefügt/added Korrektur der Varianten/correction of the variants
1.2	J. Luther	2018-03-21	Abkündigung / Tabellen angepasst Discontinuation / Tables modified
1.3	J. Luther	2019-04-03	Abkündigung / Tabellen angepasst Discontinuation / Tables modified
1.4	J. Luther	2021-07-13	Rezertifizierung / Re-certification

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

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



## 1. PZE

Typ / Type	Sach-Nr. Oder No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PZE 9</b> 24VDC	774150	6.2	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	13-14 23-24 33-34 43-44 53-54 63-64 73-74 83-84	2,31·10 <sup>-09</sup>	3	e	--
<b>PZE 9</b> 24VAC	774140	6.2						--
<b>PZE 9</b> 42VAC	774141	6.2						--
<b>PZE 9</b> 48VAC	774142	6.2						--
<b>PZE 9</b> 110-120VAC	774143	6.2						--
<b>PZE 9</b> 230-240VAC	774148	6.2						--
<b>PZE 9P</b> 24VDC	777140 787140	5.1 1.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	13-14 23-24 33-34 43-44 53-54 63-64 73-74 83-84	2,31·10 <sup>-09</sup>	3	e	--
<b>PZE 9P</b> 24-240VAC/DC	777148 787148	6.0 2.0						--
<b>PZE 9P</b> 100-240VAC/DC	777148 787148	6.0 2.0						--



## 2. PZE X

Typ / Type	Sach-Nr. Oder No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PZE X4</b> 24VDC	774585 774900	8.1 1.0	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	13-14 23-24 33-34 43-44	2,31·10 <sup>-09</sup>	3	e	--
<b>PZE X4V</b> 24VDC	774580 774581 774582 774583 774586	7.1 7.1 7.1 7.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18 27-28 37-38 47-48	2,48·10 <sup>-09</sup>	2	d	--
<b>PZE X4V8</b> 24VDC	774584	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18 27-28 37-38 47-48	2,31·10 <sup>-09</sup>	3	e	--
<b>PZE X4P</b> 24VDC	777585 787585	3.1 2.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	13-14 23-24 33-34 43-44	2,31·10 <sup>-09</sup>	3	e	--
<b>PZE X4.1P</b> 24VDC	777587 787587	1.2 1.2	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	13-14 23-24 33-34 43-44	2,31·10 <sup>-09</sup>	3	e	--
<b>PZE X4.1P</b> 24-240VAC/DC	777588 787588	1.4 1.4	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	13-14 23-24 33-34 43-44	2,31·10 <sup>-09</sup>	3	e	--

## 2. PZE X

Typ / Type	Sach-Nr. Oder No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PZE X4VP4</b> 24VDC	777586 787586	1.1 1.0	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18 27-28 37-38 47-48	2,48·10 <sup>-09</sup>	2	d	--
<b>PZE X4VP8</b> 24VDC	777584 787584	1.1 1.0	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18 27-28 37-38 47-48	2,48·10 <sup>-09</sup>	2	d	--
<b>PZE X4VP</b> 24VDC	777580 777581 777582 777583 787580 787581 787582 787583	3.1 3.1 3.1 3.1 2.1 2.1 2.1 2.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18 27-28 37-38 47-48	2,48·10 <sup>-09</sup>	2	d	--
<b>PZE X5</b> 24VDC	774595	1.4	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	13-14 23-24 33-34 43-44 53-54	2,31·10 <sup>-09</sup>	3	e	--
<b>PZE X5V</b> 24VDC	774592 774593	1.4 1.4	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18 27-28 37-38 47-48 57-58	2,48·10 <sup>-09</sup>	2	d	--



## 2. PZE X

Typ / Type	Sach-Nr. Oder No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung / Remark
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PZE X5V</b> 48VDC	774590	1.4	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18 27-28 37-38 47-48 57-58	2,48·10 <sup>-09</sup>	2	d	--
<b>PZE X5P</b> 24VDC	777150 787150	2.0 1.0	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	13-14 23-24 33-34 43-44 53-54	2,31·10 <sup>-09</sup>	3	e	--



### 3. PZA

Typ / Type	Sach-Nr. Oder No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits								Bemerkung / Remark
				Verzögerte Kontakte - tv < 30s Delayed contacts - tv < 30s				Verzögerte Kontakte - tv > 30s Delayed contacts - tv > 30s				
				Kontakte Contacts	PFH <sub>d</sub>	SIL CL	PL	Kontakte Contacts	PFH <sub>d</sub>	SIL CL	PL	
<b>PZA</b> 24VDC	774041 774030 774029 774028	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 <sup>-09</sup>	3	d	17-18	2,87·10 <sup>-09</sup>	1	c	--
<b>PZA</b> 24VAC	774031 774020	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 <sup>-09</sup>	3	d	17-18	2,87·10 <sup>-09</sup>	1	c	--
<b>PZA</b> 110-120VAC	774035 774023	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 <sup>-09</sup>	3	d	17-18	2,87·10 <sup>-09</sup>	1	c	--
<b>PZA</b> 230VAC	774038 774040 774026	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 <sup>-09</sup>	3	d	17-18	2,87·10 <sup>-09</sup>	1	c	--

#### 4. PZW


Typ / Type	Sach-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits								Bemerkung / Remark
				Verzögerte Kontakte - tv < 30s Delayed contacts - tv < 30s				Verzögerte Kontakte - tv > 30s Delayed contacts - tv > 30s				
				Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	Kontakte Contacts	PFH <sub>D</sub>	SIL CL	PL	
<b>PZW</b> 24VDC	774042 774019	3.1 3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 <sup>-09</sup>	3	d	17-18	2,87·10 <sup>-09</sup>	1	c	--
<b>PZW</b> 110-120VAC	774044 774015	3.1 3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 <sup>-09</sup>	3	d	17-18	2,87·10 <sup>-09</sup>	1	c	--
<b>PZW</b> 230VAC	774048 774017	3.1 3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 <sup>-09</sup>	3	d	17-18	2,87·10 <sup>-09</sup>	1	c	--



## 5. Anmerkung / Comment

### 5.1 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>
Datum: Date:	2021-07-13	2021-07-13
Unterschrift: Signature:	 Digitally signed by Jens Luther Date: 2021.07.13 15:26:00 +02'00'	 Digital signiert von Claudio Gregorio Datum: 2021.07.14 09:22:50 +02'00'