



Supply of Machinery (Safety) Regulations 2008 Type Examination Certificate

Certificate number:	UK-MAC000102 i01
Certificate Holder and Manufacturer	PILZ GmbH Felix-Wankel-Str. 2 73760 Ostfildern GERMANY
Relevant Representative	PILZ Automation Ltd Pilz House, Little Colliers Field, Corby Northants, NN18 8TJ United Kingdom
Product(s)	Safety components Contact expansions module
Product Type	PZE
Apparatus (inc Variants)	The report PO88942C 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 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



**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 _D	SIL CL	PL	
PZE 9 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 ⁻⁰⁹	3	e	--
PZE 9 24VAC	774140	6.2						--
PZE 9 42VAC	774141	6.2						--
PZE 9 48VAC	774142	6.2						--
PZE 9 110-120VAC	774143	6.2						--
PZE 9 230-240VAC	774148	6.2						--
PZE 9P 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 ⁻⁰⁹	3	e	--
PZE 9P 24-240VAC/DC	777148 787148	6.0 2.0						--
PZE 9P 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 _D	SIL CL	PL	
PZE X4 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 ⁻⁰⁹	3	e	--
PZE X4V 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 ⁻⁰⁹	2	d	--
PZE X4V8 24VDC	774584	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18 27-28 37-38 47-48	2,31·10 ⁻⁰⁹	3	e	--
PZE X4P 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 ⁻⁰⁹	3	e	--
PZE X4.1P 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 ⁻⁰⁹	3	e	--
PZE X4.1P 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 ⁻⁰⁹	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 _D	SIL CL	PL	
PZE X4VP4 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 ⁻⁰⁹	2	d	--
PZE X4VP8 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 ⁻⁰⁹	2	d	--
PZE X4VP 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 ⁻⁰⁹	2	d	--
PZE X5 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 ⁻⁰⁹	3	e	--
PZE X5V 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 ⁻⁰⁹	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 _D	SIL CL	PL	
PZE X5V 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 ⁻⁰⁹	2	d	--
PZE X5P 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 ⁻⁰⁹	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 _D	SIL CL	PL	Kontakte Contacts	PFH _D	SIL CL	PL	
PZA 24VDC	774041 774030 774029 774028	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 ⁻⁰⁹	3	d	17-18	2,87·10 ⁻⁰⁹	1	c	--
PZA 24VAC	774031 774020	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 ⁻⁰⁹	3	d	17-18	2,87·10 ⁻⁰⁹	1	c	--
PZA 110-120VAC	774035 774023	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 ⁻⁰⁹	3	d	17-18	2,87·10 ⁻⁰⁹	1	c	--
PZA 230VAC	774038 774040 774026	3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 ⁻⁰⁹	3	d	17-18	2,87·10 ⁻⁰⁹	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 _D	SIL CL	PL	Kontakte Contacts	PFH _D	SIL CL	PL	
PZW 24VDC	774042 774019	3.1 3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 ⁻⁰⁹	3	d	17-18	2,87·10 ⁻⁰⁹	1	c	--
PZW 110-120VAC	774044 774015	3.1 3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 ⁻⁰⁹	3	d	17-18	2,87·10 ⁻⁰⁹	1	c	--
PZW 230VAC	774048 774017	3.1 3.1	PO88942C V1.2 717509890 V1.2 PO96730T V1.0	17-18	2,64·10 ⁻⁰⁹	3	d	17-18	2,87·10 ⁻⁰⁹	1	c	--



5. Anmerkung / Comment

5.1 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:
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'