



Product Service

EC-Type Examination Certificate

No. M6A 020132 0213 Rev. 02

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

Product: **Safety components**
Safety monitoring relay

Model(s): **Safety Monitoring Relay (SMR)**

Parameters: Power Supply: 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 PO88957T 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.: **PO88956C**

Valid until: 2026-07-12

Date, 2021-07-14

(Claudio Gregorio)

Page 1 of 1

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.

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

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Product Service

CERTIFICATE

No. Z10 020132 0212 Rev. 02

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

Felix-Wankel-Str. 2
73760 Ostfildern
GERMANY

Certification Mark:



Product: **Safety components
Safety monitoring relay**

Model(s): **Safety Monitoring Relay (SMR)**

Parameters: Power Supply: 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 PO88957T 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

Test report no.: **PO88956C**
Valid until: 2026-07-12

Date, 2021-07-14

(Claudio Gregorio)



Liste der Varianten der Sicherheitsschaltgeräte-Familie Safety Monitoring Relay (SMR)

List of variants of safety relay family Safety Monitoring Relay (SMR)

Hersteller / Manufacturer:

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

Bericht-Nr. / Report no: PO88957T

Revision 1.3
2023-06-07

Prüfstelle / Test body:

TÜV SÜD RAIL GmbH
Rail Automation

Zertifizierungsstelle / Certification body:

TÜV SÜD Product Service GmbH
Ridlerstraße 65
D-80339 München



Inhalt / content:

Seite / Page

1 Muting-Steuerung / Muting Controller3
2 Spannungsüberwachung / Voltage Monitoring3
3 Stillstandsüberwachung / Standstill monitoring3
4 Anmerkung / Comment4
4.1 Sicherheitskennwerte / Safety characteristics:4

Änderungshistorie / Change history:

Version	Name	Datum / Date	Änderungen / Changes
1.3	Wolfgang Mayer	2023-06-07	Protective impedance PSWZ

Änderungen zur Vorgängerversion / Changes to the previous version:

Kapitel Chapter	Type Device	Bemerkung / Remarks
3	PSWZ	Modifikationsbericht / Modification report PO101014T





Typ / Type	Sach.-Nr. Order No.	Version	Internal Test-Report	Sicherheitsrelevante Strompfade Safety related circuits				Bemerkung Remark
				Kontakte Contacts	PFH _b	SIL CL	PL	
1 Muting-Steuerung / Muting Controller								
PMUT X1P 24VDC	778010 788010	V1.3 V1.1	PO88956C V1.1 717509889 V1.1 PO 96731T V1.0	13 – 14 23 – 24 33 – 34	Muting not active 1,45·10⁻⁰⁸	3	e	--
					Muting active 8,35·10⁻⁰⁹			
2 Spannungsüberwachung / Voltage Monitoring								
PU3Z 24VDC	775510	V8.4	PO88956C V1.1 717509889 V1.1 PO 96731T V1.0	13 – 14 23 – 24 33 – 34	1,36·10⁻⁰⁸	3	e	--
PU3Z 120-240VAC	775505	V1.4						
3 Stillstandsüberwachung / Standstill monitoring								
PSWZ X1P 24-240VACDC 0,0075-0,5V	777951 787951	V1.5 V1.5	PO88956C V1.3 717509889 V1.1 PO96731T V1.0 PO101014T V1.0	13 – 14 23 – 24	6,23·10⁻⁰⁹	3	e	--
PSWZ X1P 24-240VACDC 0,5V	777949 787949 777959	V1.6 V1.6 V1.2	PO88956C V1.3 717509889 V1.1 PO96731T V1.0 PO101014T V1.0	13 – 14 23 – 24				
PSWZ X1P 24-240VACDC 3V	777950 787950	V1.6 V1.6	PO88956C V1.3 717509889 V1.1 PO96731T V1.0 PO101014T V1.0	13 – 14 23 – 24	6,23·10⁻⁰⁹	3	e	--



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:
Datum: Date:	2023-06-07	2023-06-07
Unterschrift: Signature:	 Wolfgang Mayer 2023.06.07 11:10:21 +02'00'	 Digital unterschrieben von Gert Effenberger Datum: 2023.06.07 13:59:27 +02'00'