



Product Service

EC-Type Examination Certificate

No. M6A 020132 0305 Rev. 00

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

Product: **Safety components**
Safety Gate Systems

Model(s): **PSEnslock II**

Parameters: 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 PO100679T 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.: PO100675C

Valid until: 2028-04-20

Date, 2023-04-24

(Peter Weiß)

Page 1 of 1

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

TÜV®



Product Service

CERTIFICATE

No. Z10 020132 0304 Rev. 00

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

Certification Mark:



Product: **Safety components**
Safety Gate Systems

Model(s): **PSEnslock II**

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Tested according to: EN ISO 13849-1:2015 (up to Cat.4 PL e)
EN ISO 13849-2:2012
DIN EN 62061:2016 (up to SILCL 3)
IEC 60947-5-3:2013
ISO 14119:2013

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.: PO100675C
Valid until: 2028-04-23

Date, 2023-04-24

(Peter Weiß)



**Liste der Varianten
der sicheren Schutztürsystemen
PSEnSlock II**

**List of variants
of safety gate system**

PSEnSlock II

Hersteller / Manufacturer:

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

Bericht-Nr. / Report no: PO100679T

Revision 1.0

2023-04-21

Prüfstelle / Test body:

TÜV SÜD RAIL GmbH
Rail Automation

Zertifizierungsstelle / Certification body:

TÜV SÜD Product Service GmbH
Ridlerstraße 65
D-80339 München

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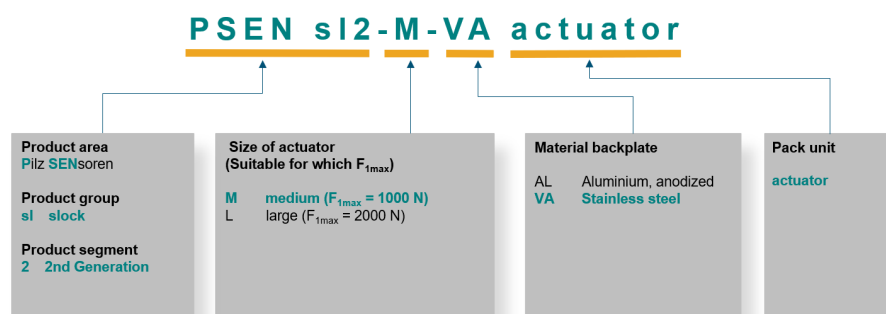
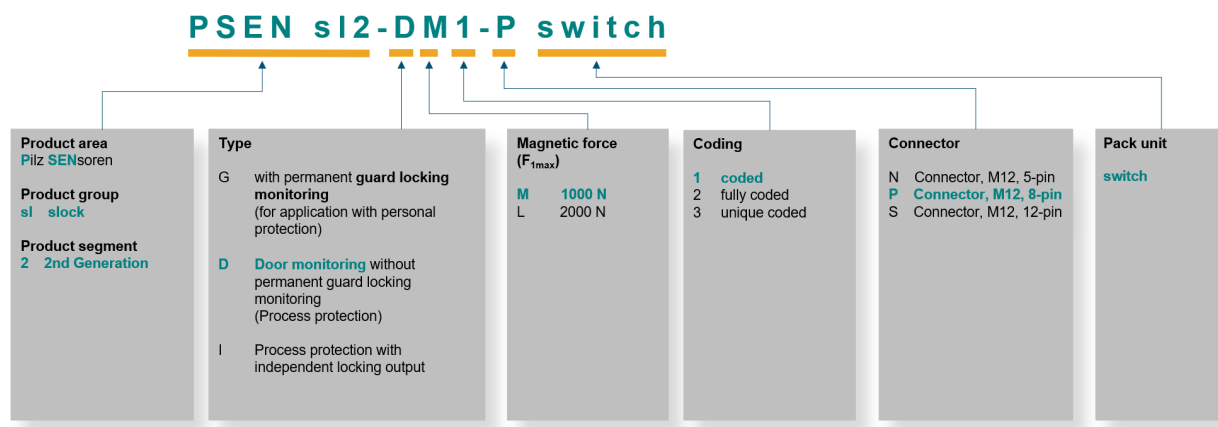
Änderungshistorie / Change history:

Vers.	Status	Name	Datum / Date	Änderungen / Changes
1.0	active	Wolfgang Mayer	2023-04-21	initial

Änderungen zur Vorgängerversion / Changes to the previous version:

Kapitel Chapter	Baugruppe Device	Version Alt / Old	Version Neu / New
--	Alle / All	--	--

1. Variantenübersicht / Variant overview



2. Sichere Schutztürsysteme für Personenschutz / Safety gate systems for personal protection

2.1. Zuhaltekraft (Fzh) bis 1000N / Holding force (Fzh) up to 1000N

<i>Typ</i> <i>Type</i>	<i>Sach-Nr.</i> <i>Order No.</i>	<i>Version</i> <i>Version</i>	<i>Intern. Prüfbericht</i> <i>Internal test report</i>
PSEN sl2-GL1-S switch	6N000007	V1.0	PO100675C PO100677T
PSEN sl2-GL2-S switch	6N000008	V1.0	PO100675C PO100677T
PSEN sl2-GL3-S switch	6N000009	V1.0	PO100675C PO100677T
PSEN sl2-GL1-P switch	6N000010	V1.0	PO100675C PO100677T
PSEN sl2-GL2-P switch	6N000011	V1.0	PO100675C PO100677T
PSEN sl2-GL3-P switch	6N000012	V1.0	PO100675C PO100677T

3. Sichere Schutztürsysteme für Prozessschutz / Safety gate systems for process protection

3.1. Zuhaltekraft (F1max) bis 1000N / Holding force (F1max) up to 1000N

<i>Typ</i> <i>Type</i>	<i>Sach-Nr.</i> <i>Order No.</i>	<i>Version</i> <i>Version</i>	<i>Intern. Prüfbericht</i> <i>Internal test report</i>
PSEN sl2-DM1-P switch	6N000001	V1.0	PO100675C PO100677T
PSEN sl2-DM2-P switch	6N000002	V1.0	PO100675C PO100677T
PSEN sl2-DM3-P switch	6N000003	V1.0	PO100675C PO100677T
PSEN sl2-DM1-N switch	6N000013	V1.0	PO100675C PO100677T
PSEN sl2-DM2-N switch	6N000014	V1.0	PO100675C PO100677T
PSEN sl2-DM3-N switch	6N000015	V1.0	PO100675C PO100677T

3.2. Zuhaltekraft (F1max) bis 2000N / Holding force (F1max) up to 2000N

<i>Typ</i> <i>Type</i>	<i>Sach-Nr.</i> <i>Order No.</i>	<i>Version</i> <i>Version</i>	<i>Intern. Prüfbericht</i> <i>Internal test report</i>
PSEN sl2-DL1-P switch	6N000004	V1.0	PO100675C PO100677T
PSEN sl2-DL2-P switch	6N000005	V1.0	PO100675C PO100677T
PSEN sl2-DL3-P switch	6N000006	V1.0	PO100675C PO100677T
PSEN sl2-DL1-N switch	6N000016	V1.0	PO100675C PO100677T
PSEN sl2-DL2-N switch	6N000017	V1.0	PO100675C PO100677T
PSEN sl2-DL3-N switch	6N000018	V1.0	PO100675C PO100677T

4. Sichere Schutztürsysteme für Prozessschutz Zuhaltungsunabhängig / Safety gate systems for process protection independent locking output

4.1. Zuhaltekraft (F1max) bis 1000N / Holding force (F1max) up to 1000N

<i>Typ</i> <i>Type</i>	<i>Sach-Nr.</i> <i>Order No.</i>	<i>Version</i> <i>Version</i>	<i>Intern. Prüfbericht</i> <i>Internal test report</i>
PSEN sl2-IM1-P switch	6N000019	V1.0	PO100675C PO100677T
PSEN sl2-IM2-P switch	6N000020	V1.0	PO100675C PO100677T
PSEN sl2-IM3-P switch	6N000021	V1.0	PO100675C PO100677T

4.2. Zuhaltekraft (F1max) bis 2000N / Holding force (F1max) up to 2000N

<i>Typ</i> <i>Type</i>	<i>Sach-Nr.</i> <i>Order No.</i>	<i>Version</i> <i>Version</i>	<i>Intern. Prüfbericht</i> <i>Internal test report</i>
PSEN sl2-IL1-P switch	6N000022	V1.0	PO100675C PO100677T
PSEN sl2-IL2-P switch	6N000023	V1.0	PO100675C PO100677T
PSEN sl2-IL3-P switch	6N000024	V1.0	PO100675C PO100677T

5. Betätiger / Actuator

5.1. Betätigerkraft (F1max) bis 1000N / Actuator force (F1max) up to 1000N

<i>Typ</i> <i>Type</i>	<i>Sach-Nr.</i> <i>Order No.</i>	<i>Version</i> <i>Version</i>	<i>Intern. Prüfbericht</i> <i>Internal test report</i>
PSEN sl2-M-AL actuator	6N000025	V1.0	PO100675C PO100677T
PSEN sl2-M-VA actuator	6N000028	V1.0	PO100675C PO100677T

5.2. Betätigerkraft (F1max) bis 2000N, (Fzh) bis 1000N / Actuator force (F1max) up to 2000N, (Fzh) up to 1000N

<i>Typ</i> <i>Type</i>	<i>Sach-Nr.</i> <i>Order No.</i>	<i>Version</i> <i>Version</i>	<i>Intern. Prüfbericht</i> <i>Internal test report</i>
PSEN sl2-L-AL actuator	6N000026	V1.0	PO100675C PO100677T
PSEN sl2-L-VA actuator	6N000027	V1.0	PO100675C PO100677T


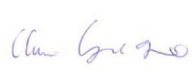
6. Sicherheitskennzahlen / Safety-related characteristics

Sicherheitsrelevante Strompfade (TM = 20) Safety related circuits (TM = 20)					
Sicherheitsfunktion Safety function	PL	Cat.	SIL CL	PFH _D	PFD
Verriegelung (RFID) Locking (RFID)	e	4	3	5,41E-09	1,20E-04
Magnetische Zuhaltung Personen- schutzvarianten Magnetic interlock Personal protection	c	2	2	2,22E-07	3,26E-03

TM :	Gebrauchsdauer für 20 Jahre nach EN ISO 13849-1. Der Wert gilt auch als Intervall der Wiederholungsprüfungen entsprechend EN 61508-6 und IEC 61511 und als Intervall für den Proof-Test und die Gebrauchsdauer nach EN 62061. Mission Time for 20 years according to EN ISO 13849-1. The value is also valid as the interval of the proof test according to EN 61508-6 and IEC 61511 and as the interval for the proof test and the service life according to EN 62061.
Cat. :	Maximal erreichbare Gebrauchskategorie nach EN ISO 13849-1. Maximum achievable usage Category according to EN ISO 13849-1.
PL :	Maximal erreichbarer Leistungsgrad entsprechend EN 13849-1. Maximum obtainable Performance Level according EN 13849-1.
SIL CL:	Maximal erreichbarer Sicherheitsintegritätsstufen Anspruchsgrenze entsprechend EN / IEC 62061. Maximum obtainable Safety Integrity Level Claim Limit according EN / IEC 62061.
SIL :	Maximal erreichbarer Sicherheitsintegritätsstufe entsprechend EN 61508-6 und IEC 61511. Maximum obtainable Safety Integrity Level according EN 61508-6 and IEC 61511.
PFD :	Wahrscheinlichkeit eines gefährliche Versagens bei Anforderung der Sicherheitsfunktion. Probability of Failure on Demand.
PFH_D :	Wahrscheinlichkeit eines gefährbringenden Ausfalls pro Stunde. Probability of a Dangerous Failure per Hour.

7. Zubehör / Accessory

Typ Type	Bemerkung Remark
PSEN sl Restart Interlock (570 552 - V2.0)	Ausschließlich verwendbar mit / Exclusively usable with:
	PSEN sl2-DL1-N switch (6N000016 - V1.0)
	PSEN sl2-DL1-P switch (6N000004 - V1.0)
	PSEN sl2-DL2-N switch (6N000017 - V1.0)
	PSEN sl2-DL2-P switch (6N000005 - V1.0)
	PSEN sl2-DL3-N switch (6N000018 - V1.0)
	PSEN sl2-DL3-P switch (6N000006 - V1.0)
	PSEN sl2-DM1-N switch (6N000013 - V1.0)
	PSEN sl2-DM1-P switch (6N000001 - V1.0)
	PSEN sl2-DM2-N switch (6N000014 - V1.0)
	PSEN sl2-DM2-P switch (6N000002 - V1.0)
	PSEN sl2-DM3-N switch (6N000015 - V1.0)
	PSEN sl2-DM3-P switch (6N000003 - V1.0)
	PSEN sl2-GL1-P switch (6N000010 - V1.0)
	PSEN sl2-GL1-S switch (6N000007 - V1.0)
	PSEN sl2-GL2-P switch (6N000011 - V1.0)
	PSEN sl2-GL2-S switch (6N000008 - V1.0)
	PSEN sl2-GL3-P switch (6N000012 - V1.0)
	PSEN sl2-GL3-S switch (6N000009 - V1.0)
	PSEN sl2-IL1-P switch (6N000022 - V1.0)
PSEN sl2-IL2-P switch (6N000023 - V1.0)	
PSEN sl2-IL3-P switch (6N000024 - V1.0)	
PSEN sl2-IM1-P switch (6N000019 - V1.0)	
PSEN sl2-IM2-P switch (6N000020 - V1.0)	
PSEN sl2-IM3-P switch (6N000021 - V1.0)	

	Freigabe Prüfstelle: Release by Test Body:	Freigabe Zertifizierstelle: Release by Certification Body:
Datum: Date:	 Wolfgang Mayer 2023.04.21	 Digital signiert von Claudio Gregorio Datum: 2023.04.21
Unterschrift: Signature:	12:18:27 +02'00'	13:35:29 +02'00'