



Product Service

EC-Type Examination Certificate

No. M6A 020132 0282 Rev. 02

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

Felix-Wankel-Str. 2
73760 Ostfildern
GERMANY

Product: **Electro-Sensitive Protective Equipment**

Model(s): **PSEN scan**

Parameters:

Operating temperature:	-10°C ... +50°C
Power supply:	24Vdc (19.2V ... 30Vdc)
Max. range:	3.0/5.5m
Detection capability	40/70mm
Min. response time	62ms

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 PO94048C 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.: PO100578T

Valid until: 2028-01-31

Date, 2023-03-24

(Peter Weiß)

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Product Service

CERTIFICATE

No. Z10 020132 0281 Rev. 02

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

Felix-Wankel-Str. 2
73760 Ostfildern
GERMANY

Certification Mark:



Product: **Electro-Sensitive Protective Equipment**

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

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CERTIFICATE

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Tested according to:	EN IEC 61496-3:2019 (Type 3)
	EN IEC 61496-1:2020 (Type 3)
	EN ISO 13849-1:2015 (Cat 3, Pl d)
	IEC 61508-1:2010 (SIL2)
	IEC 61508-2:2010 (SIL2)
	IEC 61508-3:2010 (SIL2)
EN IEC 62061:2021 (maximum SIL 2)	

Model(s): PSEN scan



Rail

Liste der Varianten der berührungslos wirkenden Schutzeinrichtung (BWS)

List of variants
of electro-sensitive protective equipment (ESPE)

PSEN scan

Hersteller / Manufacturer:

Pilz GmbH & Co. KG

Felix-Wankel-Straße 2

D-73760 Ostfildern

Germany

Bericht-Nr. / Report No.: **PO94048C**

Revision: **2.2**

Datum / Date: **12.06.2025**

Testlabor für Sicherheitskomponenten / Testing Laboratory for Safety Components:

TÜV SÜD RAIL GmbH

Rail Automation

Westendstraße 199

D-80686 München



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Änderungshistorie / Change history:

Änderung / Changes:

Revision	Name / name	Datum / date	Änderungen / Changes
1.0	Thomas Kreten	18.07.2019	Initial / initial release
1.1	Thomas Kreten	23.07.2019	Correction of Order Numbers
1.2	Thomas Kreten	18.02.2020	Addition of PSEN sc M 5.5 08-17
1.3	Thomas Kreten	09.06.2020	Update to Rev 1.6 of tech. Report
1.4	Thomas Kreten	28.07.2020	Added Manual
1.5	Thomas Kreten	04.12.2020	Updated FW
1.6	Thomas Kreten	20.01.2021	Updated FW
1.7	Thomas Kreten	03.02.2022	Updated FW
1.8	Thomas Kreten	08.02.2022	Updated FW
1.9	Franz Seika	12.10.2022	Updated FW
2.0	Thomas Kreten	24.03.2023	New format of report
2.1	Franz Seika	07.12.2023	Updated FW
2.2	Franz Seika	12.06.2025	Addition of PSEN sc PN 5.5 08 back and PSEN sc PN 5.5 08 down

Änderungen zur Vorgängerversion / Changes to the previous version:

Änderung / Changes:

Kapitel / Chapter	Baugruppe / Device	Version Alt / previous version	Version Neu / new version
2	Added PSEN sc PN 5.5 08 down	-	6D000035
2	Added PSEN sc PN 5.5 08 back	-	6D000036
4	All Models	-	4.0.0.303
5	Added Bed.anl. PSEN sc PN 5.5 down/back	-	1007024
6.2	Added PSEN sc memory fbus	-	6D000037



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1 PSEN scan - Autonomics

Typ Type	Beschreibung Description	Sach-Nr. Order No.
PSEN sc B 5.5	Stand alone Light	6D000001
PSEN sc L 3.0 08-12	Stand alone Light 3.0m	6D000012
PSEN sc L 5.5 08-12	Stand alone Light 5.5m	6D000013

2 PSEN scan - Masters

Typ Type	Beschreibung Description	Sach-Nr. Order No.
PSEN sc M 3.0 08-12	Master 3.0m	6D000016
PSEN sc M 5.5 08-12	Master 5.5m	6D000017
PSEN sc M 5.5 08-17	Master 5.5 m 70 zone Enhanced	6D000019
PSEN sc ME 5.5 08-17	Master, 5,5m, 70 Zone, Enhanced, 4 Encoder inputs	6D000034
PSEN sc PN 5.5 08 down	PROFINET/PROFIsafe Master 5.5m, Bottom Connector	6D000035
PSEN sc PN 5.5 08 back	PROFINET/PROFIsafe Master 5.5m, Back Connector	6D000036

3 PSEN scan - Slaves

Typ Type	Beschreibung Description	Sach-Nr. Order No.
PSEN sc S 3.0 08-12	Subscriber 3.0m	6D000020
PSEN sc S 5.5 08-12	Subscriber 5.5m	6D000021



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4 PSEnscan - Safety Software

PSEnscan Model	Description	Software Version
PSEN sc B 5.5	Stand Alone	1.0.0.178
All others	All others	3.1.3.628 3.1.3.649 3.1.5.xxx 3.1.6.764 3.2.0.876 4.0.0.303



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5 Mitgeltende Dokumente / Co-Applicable Documents

Typ Type	Titel / Title	Sach-Nr. Order No.
Manual	Bed.anl. PSEN sc B 5-Serie	1004508
Manual	Bed.anl. PSEN sc L/M 3/5-Serie	1005317
Manual	Bed.anl. PSEN sc L	1005056
Manual	Bed.anl. PSEN sc M	1005055
Manual	Bed.anl. PSEN sc M 5.5 08-17	1005387
Manual	Bed.anl. PSEN sc L 3.0/5.5 08-17	1005419
Manual	Bed.anl. PSEN sc ME 5.5 08-17	1005388
Manual	Bed.anl. PSEN sc PN 5.5 down/back	1007024

6 Zubehör / Accessories

Für diese Produkte wurde die Rückwirkungsfreiheit mit den sicherheitsgerichteten Modulen des PSENscan nachgewiesen.
For these products, the absence of interaction with the safety-related modules of PSENscan was proven.

6.1 PSEN scan - Configurator

Typ Type	Version	Beschreibung Description
PSENscan Configurator	min. V3.1.1	Konfigurationssoftware Configuration software

6.2 Memory Blocks

Typ Type	VerSach-Nr. Order No.sion	Beschreibung Description
PSEN sc memory 08-17	6D000005	Exchangable memory-block 08-17
PSEN sc memory 08-12	6D000006	Exchangable memory-block 08-12
PSEN sc memory fbus	6D000037	Exchangable memory-block fbus

6.3 Miscellaneous

Typ Type	Sach-Nr. Order No.	Beschreibung Description
PSEN sc head	6D000007	Ersatz für Kopfteil Replacement for head part
PSEN sc cleaner	6D000008	Reinigungsmittel (flüssig) cleaner (liquid)
PSEN sc cloth	6D000009	Reinigungstuch cleaning cloth



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6.4 PSEN scan - Brackets

Typ Type	Sach-Nr. Order No.	Beschreibung Description
PSEN sc bracket PR	6D000002	Montagehalterung zur Neige- und Rollwinkleinstellung Bracket for pitch and roll regulation
PSEN sc bracket P	6D000003	Montagehalterung zur Neigewinkleinstellung Bracket for pitch regulation
PSEN sc bracket H	6D000004	Zubehör zum Schutz des Kopfteils Head protective bracket
PSEN sc bracket F	6D000010	Montagehalterung für Bodenmontage Bracket for floor mounting
PSEN sc bracket C	6D000011	Montagehalterung für Eckmontage Außenkante Bracket for corner mounting outer edge



7 Sicherheitskennzahlen / Safety-related characteristics

Sicherheitsfunktion Safety function	Kategorie Category	PL	PFH _D	SIL CL	T _{mission} Jahre / Years
Control of safety outputs	3	d	6,38 x 10 ⁻⁰⁸	2	20

Fußnote / Footnote

1) Sicherheitsmerkmal / Safety characteristics:

SIL:	Safety Integrity Level entsprechend EN / IEC 61508 / Safety Integrity Level according EN / IEC 61508
Cat / PL:	Kategorie und Performance Level entsprechend EN 13849-1 / Category and Performance Level according EN 13849-1.

	Freigabe Testlabor für Sicherheitskomponenten: Release by Testing Laboratory for Safety Components:	Freigabe Zertifizierstelle: Release by Certification Body:
Datum: Date:		
Unterschrift: Signature:	 1093478910 2025.06.13 09:04:55 +02'00'	 Franz Seika 2025.06.12 18:07:04 +02'00'