

EC-Type Examination Certificate

No. M6A 020132 0238 Rev. 02

Holder of Certificate:	Pilz GmbH & Co. KG Felix-Wankel-Str. 2 73760 Ostfildern GERMANY
Product:	Electro-Sensitive Protective Equipment Safety Light Curtain (Type 4)
Model(s):	PSEN op4 - Slim
Parameters:	Supply Voltage: 24VDC ±20% Operating temperature: -10°C...+55°C Protection class: IP65

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 PO90476C 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.: PO90476C

Valid until: 2028-08-16

Date, 2023-12-19



(Guido Neumann)

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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.

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Product Service

CERTIFICATE

No. Z10 020132 0236 Rev. 02

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

Certification Mark:



Product: **Electro-Sensitive Protective Equipment
Safety Light Curtain (Type 4)**

Model(s): **PSEN op4 - Slim**

Parameters: Supply voltage: 24VDC \pm 20%
Operating temperature: -10°C...+55°C
Protection class: IP65

The product fulfills the requirements according to the below standards. The report listed below is a mandatory part of the certificate.

**Tested
according to:**

2006/42/EC
EN IEC 61496-1:2020 (Type 4)
EN IEC 61496-2:2020 (Type 4)
EN ISO 13849-1:2015 (Cat 4, PL e)
EN 61508-1:2010 (SIL 3)
EN 61508-2:2010 (SIL 3)
EN 61508-3:2010 (SIL 3)
EN IEC 62061:2021 (maximum SIL 3)

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.: PO90476C
Valid until: 2028-08-16

Date, 2023-12-15

(Thomas Kreten)



Liste der Varianten der berührungslos wirkenden Schutzeinrichtung (BWS)

PSEN op4 - Slim

(Type 4 / EN 61496)

List of variants
of electro-sensitive protective equipment

PSEN op4 - Slim

(Type 4 / EN 61496)

Hersteller / Manufacturer:

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

Bericht-Nr. / Report no:

PO90476C

Revision 1.2

2023-12-14

Prüfstelle für Sicherheitskomponenten / Testing Laboratory for Safety Components:

TÜV SÜD Rail GmbH
Rail Automation
Barthstraße 16
D-80339 München

Zertifizierungsstelle / Certification Body

TÜV SÜD Product Service GmbH
Ridlerstraße 65
D-80339 München



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Änderungshistorie / Change history:

Version	Name	Datum / Date	Änderungen / Changes
1.0	Thomas Kreten	2017-01-31	Initial / inital release
1.1	Thomas Kreten	2022-03-02	Update top page to actual template
1.2	Franz Seika	2023-12-14	Update of standards to latest revision

Änderungen zur Vorgängerversion / Changes to the previous version:

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

1 PSEN op4F-SL - Series

<i>Typ Type</i>	<i>Sach-Nr. Order No.</i>	<i>Länge Lenth</i>	<i>Schutz Protection</i>	<i>Auflösung Resolution</i>	<i>Prüfbericht Test- Report</i>
PSEN op4F-SL-14-015/1	631140	150 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-021/1	631141	210 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-030/1	631142	300 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-036/1	631143	360 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-042/1	631144	420 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-045/1	631145	450 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-048/1	631146	480 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-054/1	631147	540 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-060/1	631148	600 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-066/1	631149	660 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-072/1	631150	720 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-075/1	631151	750 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-078/1	631152	780 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-084/1	631153	840 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-090/1	631154	900 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-096/1	631155	960 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-102/1	631156	1020 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-105/1	631157	1050 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-108/1	631158	1080 mm	Finger	14 mm	PO101352T
PSEN op4F-SL-14-114/1	631159	1140 mm	Finger	14 mm	PO101352T



2 PSEN op4H-SL - Series

<i>Typ Type</i>	<i>Sach-Nr. Order No.</i>	<i>Länge Lenth</i>	<i>Schutz Protection</i>	<i>Auflösung Resolution</i>	<i>Prüfbericht Test- Report</i>
PSEN op4H-SL-24-015/1	631100	150 mm	Hand	24 mm	PO101352T
PSEN op4H-SL-24-030/1	631101	300 mm	Hand	24 mm	PO101352T
PSEN op4H-SL-24-045/1	631102	450 mm	Hand	24 mm	PO101352T
PSEN op4H-SL-24-060/1	631103	600 mm	Hand	24 mm	PO101352T
PSEN op4H-SL-24-075/1	631104	750 mm	Hand	24 mm	PO101352T
PSEN op4H-SL-24-090/1	631105	900 mm	Hand	24 mm	PO101352T
PSEN op4H-SL-24-105/1	631106	1050 mm	Hand	24 mm	PO101352T
PSEN op4H-SL-24-120/1	631107	1200 mm	Hand	24 mm	PO101352T



2.1 Sicherheitskennzahlen / Safety-related characteristics

Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs					
Sicherheitsfunktion Safety function	Kategorie Category	PL	PFH _D	SIL CL	T _{mission} Jahre/years
Control of safety outputs	4	e	7,89 x 10 ⁻⁰⁹	3	20

	Freigabe Prüfstelle: Release by Testing Laboratory :	Freigabe Zertifizierstelle: Release by Certification Body:
Datum: Date:		Thomas
Unterschrift: Signature:	 Digital unterschrieben von Franz Seika Datum: 2023.12.15 16:03:58 +01'00'	 Thomas Kreten 2023.12.18 09:28:28 +01'00'