



Product Service

EC-Type Examination Certificate

No. M6A 020132 0230 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 opI4**

Parameters: Power Supply: 24 V DC-25% / +20%
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 PO89805T 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.: 717505856

Valid until: 2026-06-14

Date, 2021-06-28

(Claudio Gregorio)

Page 1 of 1

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TÜV®



Product Service

CERTIFICATE

No. Z10 020132 0224 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 opII4**

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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 PO89805T in the current valid revision.

Tested according to: EN IEC 61496-1:2020
EN IEC 61496-2:2020
EN ISO 13849-1:2015 (Cat. 4, PL e)
EN 61508-1:2010 (SIL3)
EN 61508-2:2010 (SIL3)
EN 61508-3:2010 (SIL3)
EN 61508-4:2010 (SIL3)
EN 62061:2005/A2:2015 (SILCL 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.: 717505856
Valid until: 2026-06-14

Date, 2021-06-16

(Claudio Gregorio)



**Liste der Varianten
der berührungslos wirkenden Schutzeinrichtung (BWS)
PSEN opII4**

**List of variants
of electro-sensitive protective equipment
PSEN opII4**

Hersteller / Manufacturer:

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

Bericht-Nr. / Report no:

PO89805T

Revision 1.10
2023-05-12

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 | Sicherheitslichtgitter / Safety light grid | 3 |
| 1.1 | 14mm Auflösung / 14mm Resolution | 3 |
| 1.2 | 30mm Auflösung / 30mm Resolution | 7 |
| 1.3 | 170mm Auflösung / 170mm Resolution | 11 |
| 1.4 | 300mm Auflösung / 300mm Resolution | 13 |
| 1.5 | Sicherheitskennzahlen / Safety-related characteristics | 15 |
| 1.6 | Zubehör / Accessory | 15 |
| 2 | Anmerkung / Comment..... | 16 |
| 2.1 | Version / Version | 16 |

Änderungshistorie / Change history:

| Version | Name | Datum / Date | Änderungen / Changes |
|---------|----------------|--------------|----------------------|
| 1.10 | Wolfgang Mayer | 2023-05-12 | H-4052 |

Änderungen zur Vorgängerversion / Changes to the previous version:

| Kapitel Chapter | Baugruppe Device | Version Alt / Old | Version Neu / New |
|-----------------------|---------------------|----------------------|-------------------------------------|
| 1.1, 1.2, 1.3, 1.4 | all | 717505856, V1.9 | 717505856, V1.10 PO100741T, V1.0 |



1 Sicherheitslichtgitter / Safety light grid

1.1 14mm Auflösung / 14mm Resolution

| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection height | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|---|---|--|-------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| PSEN opII4F-s-14-015 (632080) | PSEN opII4F-s-14-015 emitter (632280) | PSEN opII4F-s-14-015 receiver (632380) | 150mm | 5,9ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-030 (632081) | PSEN opII4F-s-14-030 emitter (632281) | PSEN opII4F-s-14-030 receiver (632381) | 300mm | 7,2ms | 15,2ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-045 (632082) | PSEN opII4F-s-14-045 emitter (632282) | PSEN opII4F-s-14-045 receiver (632382) | 450mm | 8,4ms | 15,2ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-060 (632083) | PSEN opII4F-s-14-060 emitter (632283) | PSEN opII4F-s-14-060 receiver (632383) | 600mm | 9,7ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 |



| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection hight | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|---|---|--|------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| | | | | | | PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-075 (632084) | PSEN opII4F-s-14-075 emitter (632284) | PSEN opII4F-s-14-075 receiver (632384) | 750mm | 11ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-090 (632085) | PSEN opII4F-s-14-090 emitter (632285) | PSEN opII4F-s-14-090 receiver (632385) | 900mm | 12,3ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-105 (632086) | PSEN opII4F-s-14-105 emitter (632286) | PSEN opII4F-s-14-105 receiver (632386) | 1050mm | 13,6ms | 36,4ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |



| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection height | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|---|---|--|-------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| PSEN opII4F-s-14-120 (632087) | PSEN opII4F-s-14-120 emitter (632287) | PSEN opII4F-s-14-120 receiver (632387) | 1200mm | 14,8ms | 36,4ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-135 (632088) | PSEN opII4F-s-14-135 emitter (632288) | PSEN opII4F-s-14-135 receiver (632388) | 1350mm | 16,1ms | 36,4ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-150 (632089) | PSEN opII4F-s-14-150 emitter (632289) | PSEN opII4F-s-14-150 receiver (632389) | 1500mm | 17,4ms | 36,4ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-165 (632090) | PSEN opII4F-s-14-165 emitter (632290) | PSEN opII4F-s-14-165 receiver (632390) | 1650mm | 18,7ms | 36,4ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 |



| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection height | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|---|---|--|-------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| | | | | | | PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4F-s-14-180 (632091) | PSEN opII4F-s-14-180 emitter (632291) | PSEN opII4F-s-14-180 receiver (632391) | 1800mm | 20ms | 36,4ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |



1.2 30mm Auflösung / 30mm Resolution

| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection height | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|---|---|--|-------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| PSEN opII4H-s-30-015 (632060) | PSEN opII4H-s-30-015 emitter (632260) | PSEN opII4H-s-30-015 receiver (632360) | 150mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-030 (632061) | PSEN opII4H-s-30-030 emitter (632261) | PSEN opII4H-s-30-030 receiver (632361) | 300mm | 5,9ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-045 (632062) | PSEN opII4H-s-30-045 emitter (632262) | PSEN opII4H-s-30-045 receiver (632362) | 450mm | 6,5ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-060 | PSEN opII4H-s-30-060 emitter | PSEN opII4H-s-30-060 receiver | 600mm | 7,2ms | 15,2ms | 717505856, V1.10 |



| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection height | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|---|---|--|-------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| (632063) | (632263) | (632363) | | | | PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-075 (632064) | PSEN opII4H-s-30-075 emitter (632264) | PSEN opII4H-s-30-075 receiver (632364) | 750mm | 7,8ms | 15,2ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-090 (632065) | PSEN opII4H-s-30-090 emitter (632265) | PSEN opII4H-s-30-090 receiver (632365) | 900mm | 8,4ms | 15,2ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-105 (632066) | PSEN opII4H-s-30-105 emitter (632266) | PSEN opII4H-s-30-105 receiver (632366) | 1050mm | 9,1ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 |



| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection hight | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|---|---|--|------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| | | | | | | PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-120 (632067) | PSEN opII4H-s-30-120 emitter (632267) | PSEN opII4H-s-30-120 receiver (632367) | 1200mm | 9,7ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-135 (632068) | PSEN opII4H-s-30-135 emitter (632268) | PSEN opII4H-s-30-135 receiver (632368) | 1350mm | 10,4ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-150 (632069) | PSEN opII4H-s-30-150 emitter (632269) | PSEN opII4H-s-30-150 receiver (632369) | 1500mm | 11ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 |



| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection height | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|---|---|--|-------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| | | | | | | PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-165 (632070) | PSEN opII4H-s-30-165 emitter (632270) | PSEN opII4H-s-30-165 receiver (632370) | 1650mm | 11,6ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |
| PSEN opII4H-s-30-180 (632071) | PSEN opII4H-s-30-180 emitter (632271) | PSEN opII4H-s-30-180 receiver (632371) | 1800mm | 12,3ms | 22,3ms | 717505856, V1.10 PO89804T, V1.0 PO92444T, V1.0 PO93602T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97150T, V1.0 PO100741T, V1.0 |



1.3 170mm Auflösung / 170mm Resolution

| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection height | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|--|--|---|----------------------------------|-----------------------------|---------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| PSEN opII4B-s-170-045 (632120) | PSEN opII4B-s-170-045 emitter (632420) | PSEN opII4B-s-170-045 receiver (632460) | 450mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-170-060 (632121) | PSEN opII4B-s-170-060 emitter (632421) | PSEN opII4B-s-170-060 receiver (632461) | 600mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-170-075 (632122) | PSEN opII4B-s-170-075 emitter (632422) | PSEN opII4B-s-170-075 receiver (632462) | 750mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-170-090 (632123) | PSEN opII4B-s-170-090 emitter (632423) | PSEN opII4B-s-170-090 receiver (632463) | 900mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 |



| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection hight | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|--|--|---|------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| | | | | | | PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-170-120 (632124) | PSEN opII4B-s-170-120 emitter (632424) | PSEN opII4B-s-170-120 receiver (632464) | 1200mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-170-150 (632125) | PSEN opII4B-s-170-150 emitter (632425) | PSEN opII4B-s-170-150 receiver (632465) | 1500mm | 5,4ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |



1.4 300mm Auflösung / 300mm Resolution

| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection height | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|--|--|---|----------------------------------|-----------------------------|---------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| PSEN opII4B-s-300-045 (632130) | PSEN opII4B-s-300-045 emitter (632430) | PSEN opII4B-s-300-045 receiver (632470) | 450mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-300-060 (632131) | PSEN opII4B-s-300-060 emitter (632431) | PSEN opII4B-s-300-060 receiver (632471) | 600mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-300-075 (632132) | PSEN opII4B-s-300-075 emitter (632432) | PSEN opII4B-s-300-075 receiver (632472) | 750mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-300-090 (632133) | PSEN opII4B-s-300-090 emitter (632433) | PSEN opII4B-s-300-090 receiver (632473) | 900mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 |



| System Unit | Sender Emitter | Empfänger Receiver | Schutzfeldhöhe protection hight | Reaktionszeit response time | | Intern. Prüfbericht Internal test report |
|--|--|---|------------------------------------|--------------------------------|------------------|---|
| | | | | Uncodiert uncoded | codiert coded | |
| | | | | | | PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-300-120 (632134) | PSEN opII4B-s-300-120 emitter (632434) | PSEN opII4B-s-300-120 receiver (632474) | 1200mm | 5,2ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |
| PSEN opII4B-s-300-150 (632135) | PSEN opII4B-s-300-150 emitter (632435) | PSEN opII4B-s-300-150 receiver (632475) | 1500mm | 5,4ms | 11,7ms | 717505856, V1.10 PO89804T, V1.0 PO93370T, V1.0 PO95994T, V1.0 PO96930T, V1.0 PO97040T, V1.0 PO97159T, V1.0 PO100741T, V1.0 |



1.5 Sicherheitskennzahlen / Safety-related characteristics

| Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs | | | | |
|---|-----------|----|------------------|--------|
| Sicherheitsfunktion Safety function | Kategorie | PL | PFH _D | SIL CL |
| Control of safety outputs PSEN opII4F, PSEN opII4H | 4 | e | 1,1E-08 | 3 |
| Control of safety outputs PSEN opII4B | 4 | e | 1,5E-08 | 3 |

1.6 Zubehör / Accessory

| Typ Type | Bemerkung Remark | Intern. Prüfbericht Internal test report |
|---|---|---|
| PSEN opII Testpiece 14mm (632018) | Prüfstab für Sicherheitslichtgitter mit Fingerschutz, Ø 14mm Test piece for safety light grid for finger protection, Ø 14mm | - |
| PSEN opII Testpiece 30mm (632019) | Prüfstab für Sicherheitslichtgitter mit Fingerschutz, Ø 30mm Test piece for safety light grid for finger protection, Ø 30mm | - |
| PSEN opII lockout (632510) | Mechanische Schutzeinrichtung zum gesicherten Unterbrechen des Schutzfeldes, abschließbar Mechanical protective device for a secure interruption of the protective field, lockable | 717505856, V1.5 PO96268T, V1.0 |
| PSEN opII muting box (6C000181) | Verdrahtungshilfe für PSEN opII Sicherheitslichtgitter Wiring assistance for PSEN op safety light curtain | 717505856 V1.9 PO99039T, V1.0 |
| PSEN opII muting arm (6C000185) | 2 Muting-Arme für die Montage von Muting-Sensoren an Sender und Empfänger der PSEN opIIxx-Serien 2 muting arms for assembling of muting sensors on sender and receiver of the PSEN opIIxx series | 717505856 V1.9 PO99039T, V1.0 |
| PSEN opII muting arm bracket kit (6C000186) | 4 Halterungen für die Montage von Muting-Sensoren an Muting-Arme 4 brackets for mounting muting sensors on muting arms | 717505856 V1.9 PO99039T, V1.0 |



2 Anmerkung / Comment

2.1 Version / Version

Versionen alt ohne Codierung für 14mm und 30mm Auflösung /
versions old without coding for 14mm and 30mm resolution

| System | Software | | | |
|--------|----------|-----------------|------------|----------|
| 1.0 | Gesamt | SignalProcessor | AppControl | SafetyOS |
| | 2.0 | 5.3 | 2.0 | 1.0.0 |

Versionen neu mit Codierung für 14mm Auflösung /
versions new with coding for 14mm resolution

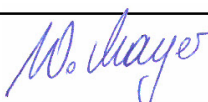

| System | Software | | | |
|--------|----------|------------------|------------|----------|
| 4.0 | Gesamt | SignalProcessor | AppControl | SafetyOS |
| | 4.1 | 6.9(Tx), 8.7(Rx) | 3.4.1 | 1.0.1 |

Versionen neu mit Codierung für 30mm Auflösung /
versions new with coding for 30mm resolution

| System | Software | | | |
|--------|----------|------------------|------------|----------|
| 4.0 | Gesamt | SignalProcessor | AppControl | SafetyOS |
| | 4.1 | 6.9(Tx), 8.7(Rx) | 3.4.1 | 1.0.1 |

Versionen mit Codierung für 170mm und 300mm Auflösung /
versions with coding for 170mm and 300mm resolution

| System | Software | | | |
|--------|----------|------------------|------------|----------|
| 4.0 | Gesamt | SignalProcessor | AppControl | SafetyOS |
| | 4.1 | 6.9(Tx), 8.7(Rx) | 3.4.1 | 1.0.1 |

| | Freigabe Prüfstelle: Release by Test Body: | Freigabe Zertifizierstelle: Release by Certification Body: |
|-----------------------------|--|--|
| Datum: Date: | 2023-05-12 | 2023-05-12 |
| Unterschrift: Signature: |  Wolfgang Mayer 2023.05.12 15:10:16 +02'00' |  Digital unterschrieben von Matthias Ramold Datum: 2023.05.12 22:08:29 +02'00' |