

EC-Type Examination Certificate

No. M6A 020132 0191 Rev. 02

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

Product: **Safety components**
Electronic Safety Switch

Model(s): **PSENcode**

Parameters: Power Supply: 24 V DC
Protection Class: IP67

The report PO87940T is a mandatory part of this certificate.
The product complies with the safety requirements only, if the
specifications documented in the currently valid revision of this
report are met.

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.: PO87940C

Valid until: 2030-12-04

Date, 2025-12-05



(Peter Weiß)



Product Service

CERTIFICATE

No. Z10 020132 0190 Rev. 02

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

Certification Mark:



Product: Safety components
Electronic Safety Switch

Model(s): PSENcode

Parameters: Power Supply: 24 VDC
Protection Class: IP67

The report PO87941T is a mandatory part of this certificate.
The product complies with the safety requirements only, if the specifications documented in the currently valid revision of this report are met.

Tested according to:

ISO 13849-1:2023 (up to Cat. 4 PL e)
IEC 62061:2021 (up to max SIL3)
IEC 61508-1:2010 (up to SIL3)
IEC 61508-2:2010 (up to SIL3)
IEC 61508-3:2010 (up to SIL3)
EN ISO 14119:2013
EN 60947-5-3:2013

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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: PO87940C

Valid until: 2030-12-04

Date, 2025-12-05

(Peter Weiß)



**Liste der Varianten
der Sicherheitsschalter-Familie
PSEN cs**

**List of variants
of safety switch family
PSEN cs**

Hersteller / Manufacturer:

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

Bericht-Nr. / Report no: PO87941T

Revision 2.3
2025-11-28

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	Sicherheitssensor / Safety switch.....	3
1.1	PSEN cs1.x / PSEN cs2.x – Single actuator.....	3
1.2	PSEN cs1.x / PSEN cs2.x – Multi-Actuator.....	6
1.3	PSEN cs3.x / PSEN cs4.x – Single actuator.....	8
1.4	PSEN cs3.x / PSEN cs4.x – Single actuator increased switching distance .	14
1.5	PSEN cs3.x / PSEN cs4.x – Single low profile actuator.....	18
1.6	PSEN cs3.x / PSEN cs4.x – Multi-Actuator.....	23
1.7	PSEN cs3.1p Key / PSEN cs4.2p Key – Key-Actuator	25
1.8	PSEN cs5.x / PSEN cs6.x – Single actuator.....	26
1.9	PSEN cs5.x / PSEN cs6.x – Single low profile actuator.....	29

Änderungshistorie / Change history:

Version	Name	Datum / Date	Änderungen / Changes
2.3	Natalia Hussain	2025-11-28	Modifikationen / <i>modifications</i> H-4156 Re-certification

Änderungen zur Vorgängerversion / Changes to the previous version:

Kapitel Chapter	Baugruppe Device	Version Alt / Old	Version Neu / New
All	All	PO87940C V1.6	PO87940C V1.7 PO105920T V1.0

1 Sicherheitssensor / Safety switch

1.1 PSEN cs1.x / PSEN cs2.x – Single actuator

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
PSEN cs1.1n / PSEN cs1.1 (540003)	PSEN cs1.1n (540053 - V1.4)	PSEN cs1.1 (540080 - 2.0)	PO87940C V1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs1.1p / PSEN cs1.1 (540000)	PSEN cs1.1p (540050 - 2.2)	PSEN cs1.1 (540080 - 2.0)	PO87940C V1.7 717514470 V1.1 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs1.13p / PSEN cs1.1 / ATEX (540005)	PSEN cs1.13p [ATEX] (540055 - 2.2)	PSEN cs1.1 (540080 - 2.0)	PO87940C V1.7 717514470 V1.1 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱ
PSEN cs2.1n / PSEN cs2.1 (540103)	PSEN cs2.1n (540153 - 1.4)	PSEN cs2.1 (540180 - 2.0)	PO87940C V1.7 PO96067T V1.0	-
PSEN cs2.1p / PSEN cs2.1 (540100)	PSEN cs2.1p (540150 - 2.2)	PSEN cs2.1 (540180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.13p / PSEN cs2.1 / ATEX (540105)	PSEN cs2.13p [ATEX] (540155 - 2.2)	PSEN cs2.1 (540180 - 2.0)	PO87940C V1.7 717514470 V1.1 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱ
PSEN cs2.2n / PSEN cs2.1	PSEN cs2.2n	PSEN cs2.1	PO87940C V1.7	-



(540203)	(540253 - 1.4)	(540180 - 2.0)	PO96067T V1.0 PO105920T V1.0	
PSEN cs2.2p / PSEN cs2.1 (540200)	PSEN cs2.2p (540250 - 2.2)	PSEN cs2.1 (540180 - 2.0)	PO87940C V1.7 717514470 V1.1 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	-

Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs				
EN ISO 13849-1:2015		EN 62061		
Kategorie Category	PL	SIL CL	PFH _d	Bemerkung Remarks
4	e	3	4,10·10⁻⁰⁹	--

ⁱ Dieses Produkt darf bis zur angegebenen Höhe über NN eingesetzt werden.

Ab 2.000m müssen die in der Benutzerdokumentation angegeben Einschränkungen eingehalten werden.

This product can be used up to the specified height above sea level.

Above 2.000m the restrictions mentioned in the user documentation must be strictly adhered.

1.2 PSEN cs1.x / PSEN cs2.x – Multi-Actuator

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
PSEN cs1.19n/ PSEN cs1.19 OSSD1&2 (540304)	PSEN cs1.19n (540353 - 1.1)	PSEN cs1.19 OSSD1&2 (540380 - 1.1)	PO87940C V1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs1.19n/ PSEN cs1.19 OSSD1 + OSSD2 (540305)	PSEN cs1.19n (540353 - 1.1)	PSEN cs1.19 OSSD1 (540382 - 1.1)	PO87940C V1.7 PO96067T V1.0 PO105920T V1.0	-
		PSEN cs1.19 OSSD2 (540383 - 1.1)		
PSEN cs1.19n/ PSEN cs1.19 OSSD1&2 + OSSD1 + OSSD2 (540303)	PSEN cs1.19n (540353 - 1.1)	PSEN cs1.19 OSSD2 (540383 - 1.1)	PO87940C V1.7 PO96067T V1.0 PO105920T V1.0	-
		PSEN cs1.19 OSSD1&2 (540380 - 1.1)		
		PSEN cs1.19 OSSD1 (540382 - 1.1)		

Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs				
EN ISO 13849-1:2015		EN 62061		
Kategorie Category	PL	SIL CL	PFH _d	Bemerkung Remarks
4	e	3	2,37·10⁻⁰⁹	Mit Betätiger OSSD1&2 (540380) / With actuator OSSD1&2 (540380)
max. 2	max. d	max. 2	Die Verwendung von 2 oder 3 Betätigern führt zu einer Reduzierung der Sicherheitskennzahlen – siehe Betriebsanleitung / The usage of 2 or 3 actuators decreases the safety level – see user manual	

1.3 PSEN cs3.x / PSEN cs4.x – Single actuator

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
PSEN cs3.1 M12/8-1.5m / PSEN cs3.1 (541004)	PSEN cs3.1 M12/8 1.5m (541054 - 1.2)	PSEN cs3.1 (541080 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1 M12/8-0.15m / PSEN cs3.1 (541009)	PSEN cs3.1 M12/8- 0.15m (541059 - 2.2)	PSEN cs3.1 (541080 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1 M12/8-1.5m / PSEN cs3.1 (541014)	PSEN cs3.1 M12/8- 1.5m (541064 - 2.2)	PSEN cs3.1 (541080 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1a / PSEN cs3.1 (541001)	PSEN cs3.1a (541051 - 1.2)	PSEN cs3.1 (541080 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1a / PSEN cs3.1 (541011)	PSEN cs3.1a (541061 - 2.2)	PSEN cs3.1 (541080 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-

<i>Sensor-Einheit</i> <i>Sensor unit</i>	<i>Sicherheitsschalter</i> <i>Safety switch</i>	<i>Betätiger</i> <i>Actuator</i>	<i>Interner Prüfbericht</i> <i>Internal test report</i>	<i>Bemerkung</i> <i>Remark</i>
PSEN cs3.1b / PSEN cs3.1 (541002)	PSEN cs3.1b (541052 - 1.2)	PSEN cs3.1 (541080 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1b / PSEN cs3.1 (541012)	PSEN cs3.1b (541062 - 2.2)	PSEN cs3.1 (541080 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1n / PSEN cs3.1 (541003)	PSEN cs3.1n (541053 - 1.5)	PSEN cs3.1 (541080 - 2.0)	PO87940C 1.7 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1p / PSEN cs3.1 (541000)	PSEN cs3.1p (541050 - 1.2)	PSEN cs3.1 (541080 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1p / PSEN cs3.1 (541010)	PSEN cs3.1p (541060 - 2.2)	PSEN cs3.1 (541080 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1a / PSEN cs4.1 (541101)	PSEN cs4.1a (541151 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
PSEN cs4.1a / PSEN cs4.1 (541111)	PSEN cs4.1a (541161 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1b / PSEN cs4.1 (541102)	PSEN cs4.1b (541152 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1b / PSENcs 4.1 (541112)	PSEN cs4.1b (541162 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1 M12/8-0.15m / PSEN cs4.1 (541109)	PSEN cs4.1 M12/8- 0.15m (541159 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1 M12/8-1.5m / PSEN cs4.1 (541114)	PSEN cs4.1 M12/8- 1.5m (541164 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0	-

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
			PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1p / PSEN cs4.1 (541100)	PSEN cs4.1p (541150 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1p / PSEN cs4.1 (541110)	PSEN cs4.1p (541160 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1n / PSEN cs4.1 (541103)	PSEN cs4.1n (541153 - 1.5)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.2 M12/8-0.15m / PSEN cs4.1 (541209)	PSEN cs4.2 M12/8- 0.15m (541259 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.2a / PSEN cs4.1 (541201)	PSEN cs4.2a (541251 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.2a / PSEN cs4.1 (541211)	PSEN cs4.2a (541261 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1	-

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
			PO91633T V1.0 PO95476T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.2b / PSEN cs4.1 (541202)	PSEN cs4.2b (541252 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.2b / PSENcs 4.1 (541212)	PSEN cs4.2b (541262 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.2n / PSEN cs4.1 (541203)	PSEN cs4.2n (541253 - 1.5)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.2p / PSEN cs4.1 (541200)	PSEN cs4.2p (541250 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C 1.7 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.2p / PSEN cs4.1 (541210)	PSEN cs4.2p (541260 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0	-



Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
			PO96067T V1.0 PO105920T V1.0	

Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs				
EN ISO 13849-1:2015		EN 62061		
Kategorie Category	PL	SIL CL	PFH _d	Bemerkung Remarks
4	e	3	2,62·10⁻⁰⁹	

1.4 PSEN cs3.x / PSEN cs4.x – Single actuator increased switching distance

<i>Betätiger</i> <i>Actuator</i>	<i>Sicherheitsschalter</i> <i>Safety switch</i>	<i>Interner Prüfbericht</i> <i>Internal test report</i>	<i>Bemerkung</i> <i>Remark</i>
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1 M12/8-0.15m (541059 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1 M12/8-1.5m (541064 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1a (541061 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1b (541062 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-

<i>Betätiger</i> <i>Actuator</i>	<i>Sicherheitsschalter</i> <i>Safety switch</i>	<i>Interner Prüfbericht</i> <i>Internal test report</i>	<i>Bemerkung</i> <i>Remark</i>
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1n (541053 - 1.5)	PO87940C 1.7 717514470 V1.1 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1p (541060 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1a (541161 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1b (541162 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1 M12/8-0.15m (541159 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0	-

Betätiger Actuator	Sicherheitsschalter Safety switch	Interner Prüfbericht Internal test report	Bemerkung Remark
		PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1 M12/8-1.5m (541164 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1p (541160 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1n (541153 - 1.5)	PO87940C 1.7 717514470 V1.1 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2 M12/8-0.15m (541259 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-

Betätiger Actuator	Sicherheitsschalter Safety switch	Interner Prüfbericht Internal test report	Bemerkung Remark
		PO105920T V1.0	
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2a (541261 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2b (541262 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2n (541253 - 1.5)	PO87940C 1.7 717514470 V1.1 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2p (541260 - 2.2)	PO87940C 1.7 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-

1.5 PSEN cs3.x / PSEN cs4.x – Single low profile actuator

<i>Betätiger Actuator</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1 M12/8-0.15m (541059 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1 M12/8 1.5m (541064 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1a (541061 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1b (541062 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			

<i>Betätiger</i> <i>Actuator</i>	<i>Sicherheitsschalter</i> <i>Safety switch</i>	<i>Interner Prüfbericht</i> <i>Internal test report</i>	<i>Bemerkung</i> <i>Remark</i>
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1n (541053 - 1.5)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1p (541060 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1a (541161 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1b (541162 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1 M12/8-0.15m (541159 – 2.2)	PO87940C 1.7 PO87942T V1.2	-

Betätiger Actuator	Sicherheitsschalter Safety switch	Interner Prüfbericht Internal test report	Bemerkung Remark
PSEN cs4.1 screw (541188- 1.0)		PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1 M12/8-1.5m (541164 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1p (541160 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1n (541153 – 1.5)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2 M12/8-0.15m (541259 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0	
PSEN cs4.1 screw (541188- 1.0)			

Betätiger Actuator	Sicherheitsschalter Safety switch	Interner Prüfbericht Internal test report	Bemerkung Remark
		PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2a (541261 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2b (541262 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2n (541253 – 1.5)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2p (541260 – 2.2)	PO87940C 1.7 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.1 screw (541188- 1.0)			



Betätiger Actuator	Sicherheitsschalter Safety switch	Interner Prüfbericht Internal test report	Bemerkung Remark
		PO105920T V1.0	

Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs				
EN ISO 13849-1:2015		EN 62061		
Kategorie Category	PL	SIL CL	PFH _d	Bemerkung Remarks
4	e	3	2,62·10 ⁻⁰⁹	

1.6 PSEN cs3.x / PSEN cs4.x – Multi-Actuator

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
PSEN cs3.19n / PSEN cs3.19 OSSD1&2 (541304)	PSEN cs3.19n (541353 - 1.2)	PSEN cs3.19 OSSD1&2 (541380 - 1.0)	PO87940C 1.7 PO95477T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs3.19n / PSEN cs3.19 OSSD1 + OSSD2 (541305)	PSEN cs3.19n (541353 - 1.2)	PSEN cs3.19 OSSD1 (541382 - 1.0)	PO87940C 1.7 PO95477T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
		PSEN cs3.19 OSSD2 (541383 - 1.0)		
PSEN cs3.19n / PSEN cs3.19 OSSD1&2 + OSSD1 + OSSD2 (541303)	PSEN cs3.19n (541353 - 1.2)	PSEN cs3.19 OSSD2 (541383 - 1.0)	PO87940C 1.7 PO95477T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0 PO105920T V1.0	-
		PSEN cs3.19 OSSD1&2 (541380 - 1.0)		
		PSEN cs3.19 OSSD1 (541382 - 1.0)		

Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs				
EN ISO 13849-1:2015		EN 62061		
Kategorie Category	PL	SIL CL	PFH _d	Bemerkung Remarks
4	e	3	2,61·10⁻⁰⁹	Mit Betätiger OSSD1&2 (541380) / With actuator OSSD1&2 (541380)
max. 2	max. d	max. 2	Die Verwendung von 2 oder 3 Betätigern führt zu einer Reduzierung der Sicherheitskennzahlen – siehe Betriebsanleitung <i>The usage of 2 or 3 actuators decrease the safety level – see user manual</i>	

1.7 PSEN cs3.1p Key / PSEN cs4.2p Key – Key-Actuator

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
-	PSEN cs3.1p Key 1 (541065 - 1.0)	PSEN cs4.1 Key gy1 (541181 - 1.0) PSEN cs4.1 Key gy2 (541182 - 1.0) PSEN cs4.1 Key gy3 (541183 - 1.0) PSEN cs4.1 Key gy4 (541184 - 1.0) PSEN cs4.1 Key bl (541186 - 1.0)	PO87940C 1.7 PO97870T V1.0 PO105920T V1.0	-
-	PSEN cs4.2p Key 1 (541265 - 1.0)	PSEN cs4.1 Key gy1 (541181 - 1.0) PSEN cs4.1 Key gy2 (541182 - 1.0) PSEN cs4.1 Key gy3 (541183 - 1.0) PSEN cs4.1 Key gy4 (541184 - 1.0) PSEN cs4.1 Key bl (541186 - 1.0)	PO87940C 1.7 PO97870T V1.0 PO105920T V1.0	-

Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs				
EN ISO 13849-1:2015		EN 62061		
Kategorie Category	PL	SIL CL	PFH _d	Bemerkung Remarks
4	e	3	2.62 10⁻⁹	--

1.8 PSEN cs5.x / PSEN cs6.x – Single actuator

Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
PSEN cs5.1n / PSEN cs5.1 M12 (542003)	PSEN cs5.1n (542053 - 2.1)	PSEN cs5.1 M12 (542083 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ
PSEN cs5.1p / PSEN cs5.1 (542000)	PSEN cs5.1p (542050 - 2.1)	PSEN cs5.1 (542080 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ
PSEN cs5.1 M12/8 / PSEN cs5.1 M12 (542009)	PSEN cs5.1 M12/8 (542059 - 2.1)	PSEN cs5.1 M12 (542083 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ
PSEN cs5.11 M12/8 / PSEN cs5.11 M12 (542011)	PSEN cs5.11 M12/8 (542051 - 2.1)	PSEN cs5.11 M12 (542081 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ
PSEN cs5.11n / PSEN cs5.11 M12 (542011)	PSEN cs5.11n (542063 - 2.1)	PSEN cs5.11 M12 (542081 – 2.0)	PO87940C V1.7 717513005 V1.0 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ
PSEN cs5.13 M12/8 EX /	PSEN cs5.13 M12/8	PSEN cs5.13 M12	PO87940C V1.7	Einsatz bis zu einer Höhe von 4000 m über NN /

PSEN cs5.13 M12 EX (542005)	EX (542055 - 2.1)	EX (542085 – 2.0)	717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSEN cs6.1n / PSEN cs6.1 M12 (542103)	PSEN cs6.1n (542153 - 2.1)	PSEN cs6.1 M12 (542183 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSEN cs6.1p / PSEN cs6.1 (542100)	PSEN cs6.1p (542150 - 2.1)	PSEN cs6.1 (542180 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSEN cs6.1 M12/8 / PSEN cs6.1 M12 (542109)	PSEN cs6.1 M12/8 (542159 - 2.1)	PSEN cs6.1 M12 (542183 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSEN cs6.2n / PSEN cs6.1 M12 (542203)	PSEN cs6.2n (542253 - 2.1)	PSEN cs6.1 M12 (542183 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSEN cs6.2p / PSEN cs6.1 (542200)	PSEN cs6.2p (542250 - 2.1)	PSEN cs6.1 (542180 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSEN cs6.2 M12/8 / PSEN cs6.1 M12 (542209)	PSEN cs6.2 M12/8 (542259 - 2.1)	PSEN cs6.1 M12 (542183 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>

			PO96067T V1.0 PO105920T V1.0	
PSENCs6.11 M12/8 / PSEN cs6.11 M12 (542111)	PSEN cs6.11 M12/8 (542151 - 2.1)	PSEN cs6.11 M12 (542181 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSEN cs6.11n / PSEN cs6.11 M12 (542113)	PSEN cs6.11n (542163 - 2.1)	PSEN cs6.11 M12 (542181 – 2.0)	PO87940C V1.7 717513005 V1.0 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSENCs6.21 M12/8 / PSEN cs6.11 M12 (542211)	PSEN cs6.21 M12/8 (542251 - 2.1)	PSEN cs6.11 M12 (542181 – 2.0)	PO87940C V1.7 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>
PSENCs6.21n / PSEN cs6.11 M12 (542213)	PSEN cs6.21n (542263 - 2.1)	PSEN cs6.11 M12 (542181 – 2.0)	PO87940C V1.7 717513005 V1.0 717514470 V1.2 PO91633T V1.0 PO96067T V1.0 PO105920T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ</i>

1.9 PSEN cs5.x / PSEN cs6.x – Single low profile actuator

<i>Betätiger Actuator</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
PSEN cs5.1 glue (542087- 1.0)	PSEN cs5.1n (542053 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs5.1 screw (542088- 1.0)			
PSEN cs5.1 glue (542087- 1.0)	PSEN cs5.1p (542050 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs5.1 screw (542088- 1.0)			
PSEN cs5.1 glue (542087- 1.0)	PSEN cs5.1 M12/8 (542059 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs5.1 screw (542088- 1.0)			
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.1n (542153 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs6.1 screw (542188- 1.0)			
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.1p (542150 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs6.1 screw (542188- 1.0)			
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.1 M12/8 (542159 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0	-
PSEN cs6.1 screw			

Betätiger Actuator	Sicherheitsschalter Safety switch	Interner Prüfbericht Internal test report	Bemerkung Remark
(542188- 1.0)		PO105920T V1.0	
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.2n (542253 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs6.1 screw (542188- 1.0)			
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.2p (542250 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs6.1 screw (542188- 1.0)			
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.2 M12/8 (542259 – 2.1)	PO87940C V1.7 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0 PO105920T V1.0	-
PSEN cs6.1 screw (542188- 1.0)			

Sicherheitstechnische Kenndaten der Sicherheitsausgänge Safety-related characteristics of the safety outputs				
EN ISO 13849-1:2015		EN 62061		
Kategorie Category	PL	SIL CL	PFH _d	Bemerkung Remarks
4	e	3	9,6 10⁻¹⁰	--



¹ Dieses Produkt darf bis zur angegebenen Höhe über NN eingesetzt werden.

Ab 2.000m müssen die in der Benutzerdokumentation angegebenen Einschränkungen eingehalten werden.

This product can be used up to the specified height above sea level.

Above 2.000m the restrictions mentioned in the user documentation must be strictly adhered.



	Freigabe Zertifizierstelle: Release by Certification Body:	Freigabe Prüfstelle: Release by Test Body:
Datum: Date:	2025-11-28	2025-11-28
Unterschrift: Signature:	 Peter Weiß 2025.12.05 11:06:37 +01'00'	 Wolfgang Mayer 2025.12.01 11:02:15 +01'00'