



Product Service

EC-Type Examination Certificate

No. M6A 020132 0191 Rev. 01

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 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 PO87941T 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.: PO87940C

Valid until: 2025-12-10

Date, 2020-12-11

(Guido Neumann)

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TÜV®



Product Service

CERTIFICATE

No. Z10 020132 0190 Rev. 01

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

Factory(ies): 020132

Certification Mark:



Product: **Safety components**
Electronic Safety Switch

Model(s): **PSENcode**

Parameters: Power Supply: 24 VDC
Protection Class: IP67

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Tested according to: EN ISO 13849-1:2015 (up to Cat.4 PL e)
EN ISO 13849-2:2012
EN 62061:2005/A2:2015 (up to SILCL 3)
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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: PO87940C
Valid until: 2025-12-09

Date, 2020-12-11

(Guido Neumann)



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 2.1
2021-12-13

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:

Version	Name	Datum / Date	Änderungen / Changes
2.1	Wolfgang Mayer	2021-12-13	Modifikationen / <i>modifications</i> H-2810 PSENcs key, PO97870T

Änderungen zur Vorgängerversion / Changes to the previous version:

Kapitel Chapter	Baugruppe Device	Version Alt / Old	Version Neu / New
1.7	PSEN cs3.1p Key 1 (541065 - 1.0) 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)	-	PO97870T
1.8 -> 1.9 1.9 -> 1.10		-	-



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 V1.4 PO96067T V1.0	-
PSEN cs1.1p / PSEN cs1.1 (540000)	PSEN cs1.1p (540050 - 2.2)	PSEN cs1.1 (540080 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO96067T V1.0	-
PSEN cs1.13p / PSEN cs1.1 / ATEX (540005)	PSEN cs1.13p [ATEX](540055 - 2.2)	PSEN cs1.1 (540080 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO96067T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱ</i>
PSEN cs2.1n / PSEN cs2.1 (540103)	PSEN cs2.1n (540153 - 1.4)	PSEN cs2.1 (540180 - 2.0)	PO87940C V1.4 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	-
PSEN cs2.13p / PSEN cs2.1 / ATEX (540105)	PSEN cs2.13p [ATEX](540155 - 2.2)	PSEN cs2.1 (540180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO96067T V1.0	<i>Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱ</i>
PSEN cs2.2n / PSEN cs2.1 (540203)	PSEN cs2.2n (540253 - 1.4)	PSEN cs2.1 (540180 - 2.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs2.2p / PSEN cs2.1 (540200)	PSEN cs2.2p (540250 - 2.2)	PSEN cs2.1 (540180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO96067T 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 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.



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

<i>Sensor-Einheit Sensor unit</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Betätiger Actuator</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
PSEN cs1.19n/ PSEN cs1.19 OSSD1&2 (540304)	PSEN cs1.19n (540353 - 1.1)	PSEN cs1.19 OSSD1&2 (540380 - 1.1)	PO87940C V1.4 PO96067T 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 V1.4 PO96067T 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 V1.4 PO96067T 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 / <i>The usage of 2 or 3 actuators decreases the safety level – see user manual</i>	

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

<i>Sensor-Einheit Sensor unit</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Betätiger Actuator</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
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 V1.4 PO96067T 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 V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs3.1a / PSEN cs3.1 (541001)	PSEN cs3.1a (541051 - 1.2)	PSEN cs3.1 (541080 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs3.1a / PSEN cs3.1 (541011)	PSEN cs3.1a (541061 - 2.2)	PSEN cs3.1 (541080 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs3.1b / PSEN cs3.1 (541002)	PSEN cs3.1b (541052 - 1.2)	PSEN cs3.1 (541080 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs3.1b / PSEN cs3.1	PSEN cs3.1b	PSEN cs3.1	PO87940C V1.4	-



Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
(541012)	(541062 - 2.2)	(541080 - 2.0)	717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs3.1n / PSEN cs3.1 (541003)	PSEN cs3.1n (541053 - 1.5)	PSEN cs3.1 (541080 - 2.0)	PO87940C V1.4 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs3.1p / PSEN cs3.1 (541000)	PSEN cs3.1p (541050 - 1.2)	PSEN cs3.1 (541080 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs3.1p / PSEN cs3.1 (541010)	PSEN cs3.1p (541060 - 2.2)	PSEN cs3.1 (541080 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.1a / PSEN cs4.1 (541101)	PSEN cs4.1a (541151 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs4.1a / PSEN cs4.1 (541111)	PSEN cs4.1a (541161 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.1b / PSEN cs4.1 (541102)	PSEN cs4.1b (541152 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs4.1b / PSENcs 4.1	PSEN cs4.1b	PSEN cs4.1	PO87940C V1.4	-



Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
(541112)	(541162 - 2.2)	(541180 - 2.0)	717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.1 M12/8-0.15m / PSEN cs4.1 (541109)	PSEN cs4.1 M128- 0.15m (541159 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.1 M12/8-1.5m / PSEN cs4.1 (541114)	PSEN cs4.1 M128- 1.5m (541164 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.1p / PSEN cs4.1 (541100)	PSEN cs4.1p (541150 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs4.1p /PSEN cs4.1 (541110)	PSEN cs4.1p (541160 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-



<i>Sensor-Einheit Sensor unit</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Betätiger Actuator</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
PSEN cs4.1n / PSEN cs4.1 (541103)	PSEN cs4.1n (541153 - 1.5)	PSEN cs4.1 (541180 - 2.0)	PO87940C V1.4 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.2a / PSEN cs4.1 (541201)	PSEN cs4.2a (541251 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs4.2a / PSEN cs4.1 (541211)	PSEN cs4.2a (541261 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.2b / PSEN cs4.1 (541202)	PSEN cs4.2b (541252 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs4.2b / PSENcs 4.1 (541212)	PSEN cs4.2b (541262 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.2n / PSEN cs4.1	PSEN cs4.2n	PSEN cs4.1	PO87940C V1.4	-



Sensor-Einheit Sensor unit	Sicherheitsschalter Safety switch	Betätiger Actuator	Interner Prüfbericht Internal test report	Bemerkung Remark
(541203)	(541253 - 1.5)	(541180 - 2.0)	PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.2p / PSEN cs4.1 (541200)	PSEN cs4.2p (541250 - 1.2)	PSEN cs4.1 (541180 - 1.0)	PO87940C V1.4 PO96067T V1.0	-
PSEN cs4.2p / PSEN cs4.1 (541210)	PSEN cs4.2p (541260 - 2.2)	PSEN cs4.1 (541180 - 2.0)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 Actuator</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1 M12/8-0.15m (541059 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1 M12/8-1.5m (541064 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1a (541061 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1b (541062 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1n (541053 - 1.5)	PO87940C V1.4 717514470 V1.1 PO95476T V1.0 PO95477T V1.0	-



<i>Betätiger Actuator</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
		PO96067T V1.0	
PSEN cs1.1 (540080 - 2.0)	PSEN cs3.1p (541060 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1a (541161 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1b (541162 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1 M128-0.15m (541159 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1 M128-1.5m (541164 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0	-



<i>Betätiger Actuator</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
		PO95477T V1.0 PO96067T V1.0	
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1p (541160 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.1n (541153 - 1.5)	PO87940C V1.4 717514470 V1.1 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2 M128-0.15m (541259 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2a (541261 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-



<i>Betätiger Actuator</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2b (541262 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2n (541253 - 1.5)	PO87940C V1.4 717514470 V1.1 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs2.1 (540180 - 2.0)	PSEN cs4.2p (541260 - 2.2)	PO87940C V1.4 717514470 V1.1 PO91633T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1a (541061 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1b (541062 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1n (541053 - 1.5)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			



Betätiger Actuator	Sicherheitsschalter Safety switch	Interner Prüfbericht Internal test report	Bemerkung Remark
		PO95477T V1.0 PO96067T V1.0	
PSEN cs3.1 glue (541087- 1.0)	PSEN cs3.1p (541060 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs3.1 screw (541088- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1a (541161 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1b (541162 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	-
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1 M12/8-1.5m (541164 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0	
PSEN cs4.1 screw			



<i>Betätiger Actuator</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
(541188- 1.0)		PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1p (541160 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.1n (541153 – 1.5)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2a (541261 – 2.2)	PO87940C V1.4 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
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2b (541262 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2n (541253 – 1.5)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.1 screw (541188- 1.0)			
PSEN cs4.1 glue (541187- 1.0)	PSEN cs4.2p (541260 – 2.2)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T V1.0	
PSEN cs4.1 screw (541188- 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	2,62·10⁻⁰⁹	

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

<i>Sensor-Einheit Sensor unit</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Betätiger Actuator</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
PSEN cs3.19n / PSEN cs3.19 OSSD1&2 (541304)	PSEN cs3.19n (541353 - 1.2)	PSEN cs3.19 OSSD1&2 (541380 - 1.0)	PO87940C V1.4 PO95477T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.4 PO95477T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.4 PO95477T V1.0 PO95476T V1.0 PO95477T V1.0 PO96067T 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 V1.5 PO97870T 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 V1.5 PO97870T 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

<i>Sensor-Einheit Sensor unit</i>	<i>Sicherheitsschalter Safety switch</i>	<i>Betätiger Actuator</i>	<i>Interner Prüfbericht Internal test report</i>	<i>Bemerkung Remark</i>
PSEN cs5.1n / PSEN cs5.1 M12 (542003)	PSEN cs5.1n (542053 - 2.1)	PSEN cs5.1 M12 (542083 – 2.0)	PO87940C V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 cs5.1p / PSEN cs5.1 (542000)	PSEN cs5.1p (542050 - 2.1)	PSEN cs5.1 (542080 – 2.0)	PO87940C V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 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 V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 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 V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 cs5.11n / PSEN cs5.11 M12 (542011)	PSEN cs5.11n (542063 - 2.1)	PSEN cs5.11 M12 (542081 – 2.0)	PO87940C V1.4 717513005 V1.0 717514470 V1.2 PO91633T V1.0 PO96067T 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 cs5.13 M12/8 EX / PSEN cs5.13 M12 EX (542005)	PSEN cs5.13 M12/8 EX (542055 - 2.1)	PSEN cs5.13 M12 EX (542085 – 2.0)	PO87940C V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 cs6.1n / PSEN cs6.1 M12	PSEN cs6.1n	PSEN cs6.1 M12	PO87940C V1.4	<i>Einsatz bis zu einer Höhe von 4000 m über NN /</i>



(542103)	(542153 - 2.1)	(542183 – 2.0)	717514470 V1.2 PO91633T V1.0 PO96067T V1.0	For use up to 4000 m above sea level. Siehe / see ⁱⁱ
PSEN cs6.1p / PSEN cs6.1 (542100)	PSEN cs6.1p (542150 - 2.1)	PSEN cs6.1 (542180 – 2.0)	PO87940C V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 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 V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 cs6.2n / PSEN cs6.1 M12 (542203)	PSEN cs6.2n (542253 - 2.1)	PSEN cs6.1 M12 (542183 – 2.0)	PO87940C V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 cs6.2p / PSEN cs6.1 (542200)	PSEN cs6.2p (542250 - 2.1)	PSEN cs6.1 (542180 – 2.0)	PO87940C V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 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 V1.4 717514470 V1.2 PO91633T V1.0 PO96067T V1.0	Einsatz bis zu einer Höhe von 4000 m über NN / For use up to 4000 m above sea level. Siehe / see ⁱⁱ
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 V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 cs6.11n / PSEN cs6.11 M12 (542113)	PSEN cs6.11n (542163 - 2.1)	PSEN cs6.11 M12 (542181 – 2.0)	PO87940C V1.4 717513005 V1.0 717514470 V1.2 PO91633T V1.0 PO96067T 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 V1.4 717514470 V1.2 PO91633T V1.0 PO96067T 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 V1.4 717513005 V1.0 717514470 V1.2 PO91633T V1.0 PO96067T 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 V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0	-
PSEN cs5.1 screw (542088- 1.0)			
PSEN cs5.1 glue (542087- 1.0)	PSEN cs5.1p (542050 – 2.1)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T 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 V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0	-
PSEN cs5.1 screw (542088- 1.0)			
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.1n (542153 – 2.1)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0	-
PSEN cs6.1 screw (542188- 1.0)			
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.1p (542150 – 2.1)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T 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 V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0	-
PSEN cs6.1 screw (542188- 1.0)			
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.2n (542253 – 2.1)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T V1.0	-
PSEN cs6.1 screw (542188- 1.0)			





Betätiger Actuator	Sicherheitsschalter Safety switch	Interner Prüfbericht Internal test report	Bemerkung Remark
PSEN cs6.1 glue (542187- 1.0)	PSEN cs6.2p (542250 – 2.1)	PO87940C V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T 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 V1.4 PO87942T V1.2 PO94468T V1.0 PO96067T 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	--

ii 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.*



	Freigabe Zertifizierstelle: Release by Certification Body:	Freigabe Prüfstelle: Release by Test Body:
Datum: Date:	2021-12-13	2021-12-13
Unterschrift: Signature:	 Digital unterschrieben von Matthias Ramold Datum: 2021.12.13 17:11:06 +01'00'	 Digital unterschrieben von Wolfgang Mayer Datum: 2021.12.13 16:09:43 +01'00'