



Product Service

EC-Type Examination Certificate

No. M6A 020132 0299 Rev. 00

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

Product: **Automation Equipment, Safety Related**
Safety Related Automation Device

Model(s): **Decentralised Field Device Family**
PDP67

Parameters: Power Supply: 24 VDC
Degree of Protection: up to IP 67
Safety Level: up to SIL3 / Cat. 4, PLe

The report and the user documentation in the currently valid revisions are mandatory parts of this certificate. The certified components are listed in the report PO98347T in the currently 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.: PO98335C

Valid until: 2027-03-03

Date, 2022-03-04

(Gert Effenberger)

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Product Service

CERTIFICATE

No. Z10 020132 0298 Rev. 00

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

Certification Mark:



Product: **Automation Equipment, Safety Related**
Safety Related Automation Device

Model(s): **Decentralised Field Device Family**
PDP67

Parameters: Power Supply: 24 VDC
Degree of Protection: up to IP 67
Safety Level: up to SIL3 / Cat. 4, PLe

The report and the user documentation in the currently valid revisions are mandatory parts of this certificate. The certified components are listed in the report PO98347T in the currently valid revision.

Tested according to: EN IEC 62061:2021
EN ISO 13849-1:2015
EN 61508-1:2010
EN 61508-2:2010
EN 61508-3:2010
EN 61131-2:2007
EN 61511-1:2017/A1:2017

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.: PO98335C
Valid until: 2027-03-03
Date, 2022-03-04

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Add value.
Inspire trust.

Liste der Varianten der Dezentralen Feldgerätefamilie PDP67

List of variants of the
decentralised field device family
PDP67

Hersteller / Manufacturer:

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

Bericht-Nr. / Report No.: PO98347T

Version 1.3 of 2025-08-21

Testing Laboratory for Safety Components

TÜV SÜD Rail GmbH
Rail Automation
Westendstraße 199
D-80686 München

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	Dr. Julian Wolf	2022-03-04	Erste Ausgabe / First release
1.1	Dr. Julian Wolf	2022-03-09	Abs. 1.1 (PASconfig) hinzugefügt / Added section 1.1 (PASconfig)
1.2	Dr. Julian Wolf	2023-03-14	Abs. 1.2 (PDP67 PN 6FDI 6FDIO 2FDOTP): Version alt: 1.0 / 1.1.0, neu: 2.0 / 1.1.x / Sect.. 1.2 (PDP67 PN 6FDI 6FDIO 2FDOTP): Version old: 1.0 / 1.1.0, new: 2.0 / 1.1.x
1.3	Dr. Julian Wolf	2025-08-21	Abs. 1.1 (PASconfig): Neue Version 6.0.0 / Sect. 1.1 (PASconfig): New version 6.0.0 Abs. 1.2: Neuer Typ PDP67 PN 8FDIO 4IOLS Version 1.x / 1.2.x / Sect. 1.2: New type PDP67 PN 8FDIO 4IOLS version 1.x / 1.2.x



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1 PDP67 - Dezentrale Feldgeräte / PDP67 - Decentralised field devices:

1.1 PASconfig			
Typ Type	Beschreibung Description	ab Version from version	Prüfbericht Test Report
PASconfig	PASconfig dient der Konfigurierung der Systemfamilie PDP67 PASconfig is used to configure the PDP system family.	5.1.0 für Sach-Nr. 4R000001 for Order No. 4R000001	PO97153T_R1.1
		6.0.0 für Sach-Nr. 4R000004 for Order No. 4R000004	PO105247T_R1.0



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1.2 PDP67 mit Profinet / PDP67 with Profinet

Typ / Type ¹⁾ (Sach-Nr. / Order No.)	Beschreibung Description	Version ²⁾ HW / FW	Prüfbericht Test Report	Safety ³⁾ characteristic	Sicherheits-Kennzahlen / Safety properties		
					PFD/PFH	Tmission = 10a	Tmission = 20a
PDP67 PN 6FDI 6FDIO 2FDOTP (4R000001)	Dezentrales IP67 Feldgerät, PROFINET mit PROFIsafe, digitale IO-Ports, Metallgehäuse. Decentralised IP67 field device, PROFINET with PROFIsafe, digital IO-ports, metal housing	2.x / 1.1.x	PO98334T_R1.0 PO100523T_V1.0	SIL 2	<u>Outputs:</u> PFD single PFH single	1,67 x 10 ⁻⁶ 3,76 x 10 ⁻¹⁰ [1/h]	3,31 x 10 ⁻⁵ 3,76 x 10 ⁻¹⁰ [1/h]
				PL "c"			
				Cat. 2 Presses			
SIL 2	<u>Inputs:</u> PFD single PFH single	1,02 x 10 ⁻⁴ 2,33 x 10 ⁻⁰⁹ [1/h]	2,04 x 10 ⁻⁴ 2,33 x 10 ⁻⁰⁹ [1/h]				
PL "d"							
Cat. 2 Presses							
SIL 3	<u>Inputs:</u> PFD double PFH double PFD double pulsed PFH double pulsed PFD beam pulsed PFH beam pulsed <u>Outputs:</u> PFD 1p-double PFH 1p-double PFD 2p-double PFH 2p-double			PL "e"	PFD double PFH double PFD double pulsed PFH double pulsed PFD beam pulsed PFH beam pulsed	5,40 x 10 ⁻⁶ 1,24 x 10 ⁻¹⁰ [1/h] 3,61 x 10 ⁻⁶ 8,28 x 10 ⁻¹¹ [1/h] 1,34 x 10 ⁻⁵ 3,03 x 10 ⁻¹⁰ [1/h]	1,09 x 10 ⁻⁵ 1,25 x 10 ⁻¹⁰ [1/h] 7,30 x 10 ⁻⁶ 8,40 x 10 ⁻¹¹ [1/h] 2,68 x 10 ⁻⁵ 3,05 x 10 ⁻¹⁰ [1/h]
Cat. 4 Presses							



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1.2 PDP67 mit Profinet / PDP67 with Profinet

Typ / Type ¹⁾ (Sach-Nr. / Order No.)	Beschreibung Description	Version ²⁾ HW / FW	Prüfbericht Test Report	Safety ³⁾ characteristic	Sicherheits-Kennzahlen / Safety properties		
					PFD/PFH	Tmission = 10a	Tmission = 20a
PDP67 PN 8FDIO 4IOLS (4R000004)	Dezentrales IP67/IP69K Feldgerät, PROFINET mit PROFIsafe, IOLink Safety-Master, digitale IO-Ports, Metallgehäuse. Decentralised IP67/IP69K field device, PROFINET with PROFIsafe, IOLink Safety-Master, digital IO-ports, metal housing	1.x / 1.2.x	PO98334T_R1.1	SIL 2 PL "d" Cat. 2 Presses	Inputs: PFD single PFH single	1,02 x 10 ⁻⁴ 2,33 x 10 ⁻⁰⁹ [1/h]	2,04 x 10 ⁻⁴ 2,33 x 10 ⁻⁰⁹ [1/h]
				SIL 3 PL "e" Cat. 4 Presses	Inputs: PFD single pulsed PFH single pulsed PFD double PFH double PFD double pulsed PFH double pulsed Outputs: PFD single-adv ⁴⁾ PFH single-adv ⁴⁾ PFD double-adv ⁴⁾ PFH double-adv ⁴⁾	1,34 x 10 ⁻⁵ 3,03 x 10 ⁻¹⁰ [1/h] 5,40 x 10 ⁻⁶ 1,24 x 10 ⁻¹⁰ [1/h] 3,61 x 10 ⁻⁶ 8,28 x 10 ⁻¹¹ [1/h] 2,65 x 10 ⁻⁶ 6,05 x 10 ⁻¹¹ [1/h] 2,65 x 10 ⁻⁶ 6,05 x 10 ⁻¹¹ [1/h]	2,68 x 10 ⁻⁵ 3,05 x 10 ⁻¹⁰ [1/h] 1,09 x 10 ⁻⁵ 1,25 x 10 ⁻¹⁰ [1/h] 7,30 x 10 ⁻⁶ 8,40 x 10 ⁻¹¹ [1/h] 5,33 x 10 ⁻⁶ 6,11 x 10 ⁻¹¹ [1/h] 5,33 x 10 ⁻⁶ 6,11 x 10 ⁻¹¹ [1/h]



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2 Fußnote / Footnote

1) Typ / Type:

Sach.Nr.: Order No.:	Ergänzbar durch Zeichen im Bereich AA...ZZ und 00...99 / Can be added by Character in range AA...ZZ and 00...99.
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2) Version:

Die Angaben in der Versionsspalte geben die zugelassene Hardware- (HW) / Fail-Safe-Software- (FW) Kombinationen an. Diese Liste führt ausschließlich die Versionsnummern der Baugruppen, die seit der Erstausgabe dieser Liste von der TÜV Product Service geprüft und zertifiziert sind. Für Baugruppen mit Versionsnummern die vor den in der Spalte „Version“ aufgeführten Versionsnummern liegen ist im Einzelfall beim Hersteller anzufragen, welche Prüfungen und Zertifikate gültig sind und die entsprechenden Nachweise einzusehen.

The entry in the version column shows the allowed hardware (HW) / fail safe software (FW) combinations. This list includes only the version numbers of the modules tested and certified by TÜV Product Service since the first edition of this list. For modules with earlier version numbers than the numbers in the "version" column, please inquire with the manufacturer about any valid tests and certifications, and view the corresponding verification.

3) Sicherheitsmerkmal / Safety characteristics:

SIL:	Maximal erreichbarer Safety Integrity Level entsprechend EN / IEC 61508 / Maximum achievable Safety Integrity Level according EN / IEC 61508
PL:	Maximal erreichbarer Performance Level entsprechend EN 13849-1 / Maximum achievable Performance Level according EN 13849-1
Die Hardware erfüllt ebenfalls die Anforderungen nach / The Hardware fulfills also the requirements of:	
EN 61131-2:2007	Programmable controllers – Part 2: Equipment requirements and tests
EN 60204-1:2018	Safety of machinery - Electrical equipment of machines – Part 1: General requirements
IEC 61511-1:2016 / AMD1:2017	Functional safety - Safety instrumented systems for the process industry sector – Part 1: Framework, definitions, system, hardware and application programming requirements
Für die Prüfung und Zertifizierung der Firmware, bzgl. der Verarbeitung sicherheitsgerichteter Signale, wurden nachfolgende Normen zusätzlich mit herangezogen: For test and certifying of the firmware, concerning the processing of safety-related signals, the following additional standards were consulted:	
EN 13243:2015 (up to AK 4)	Safety requirements for cableway installations designed to carry persons – Electrical equipment other than for drive systems
SR 743.121.1: 2004 SR 743.121.3: 2004	Schweizer Verordnung über Seilbahnen zur Personenbeförderung (SebV) <u>Anmerkung:</u> Für (programmierbare) Elektronik sind nur die allgemeinen Anforderungen der Schweizer Vorschriften eingehalten. Swiss Ordinance on Cable Cars for Passenger Transport (SebV) <u>Note:</u> For (programmable) electronics only the general requirements of the Swiss regulations are met.
EN ISO 16092-1:2018	Machine tools safety - Presses – Part 1: General safety requirements
EN ISO 16092-2:2020	Machine tools safety - Presses – Part 2: Safety requirement for mechanical presses



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EN ISO 16092-3:2018	Machine tools safety - Presses – Part 3: Safety requirements for hydraulic presses
EN ISO 16092-4:2020	Machine tools safety - Presses – Part 4: Safety requirements for pneumatic presses



4) 1p-single/double-adv:

single-adv	HL Ausgänge 1-kanalig mit erweiterter Fehlererkennung. Näheres siehe Bedienungsanleitung. HL outputs 1-channel with advanced fault detection. See manual for details.
double-adv	HL Ausgänge 2-kanalig mit erweiterter Fehlererkennung. Näheres siehe Bedienungsanleitung. HL outputs 2-channel with advanced fault detection. See manual for details.

Freigabe / Release:



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	Freigabe Prüfstelle: Release by Test Body:	Freigabe Zertifizierstelle: Release by Certification Body:
Datum / Unterschrift: Date / Signature:	 Julian Wolf 2025.08.21 17:50:04 +02'00'	 Christian Dirmeier 2025.08.25 12:09:05 +02'00'