



Product Service

EC-Type Examination Certificate

No. M6A 020132 0287 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): Decentral I/O-Bus
"I/O-Net p"

Parameters: Power supply: 24VDC
Operating temperature: -30°C to +60°C
Protection class: up to 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 PO83089 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.: PO95724T

Valid until: 2025-09-29

Date, 2020-09-30

(Claudio Gregorio)

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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 0229 Rev. 01

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

Factory(ies): 020132

Certification Mark:



Product: **Automation Equipment, Safety Related**
Safety- related automation device

Model(s): **Decentral I/O-Bus**
"I/O-Net p"

Parameters: 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 PO83089 in the current valid revision.

Tested according to: EN ISO 13849-1:2015 (up to Cat.4 PL e)
EN 61508-1:2010 (up to SIL 3)
EN 61508-2:2010 (up to SIL 3)
EN 61508-3:2010 (up to SIL 3)
EN 61508-4:2010 (up to SIL 3)
EN 62061:2005/A2:2015
EN 13243:2015
EN 61131-2:2007
EN 61511-1:2017

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. See also notes overleaf.

Test report no.: PO95724T

Valid until: 2025-09-29

Date, 2020-09-30

Claudio Gregorio
(Claudio Gregorio)



**Liste zur Verfolgung der Versionsfreigaben
der sicherheits-gerichteten Baugruppen des
Sicherheitsgerichteten Dezentralen I/O-Bus
„I/O-Net p“**

**List for tracking the version releases
of safety related modules of the safety relevant peripheral I/O-bus
“I/O-Net p”**

Hersteller / Manufacturer:

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

Bericht-Nr. / Report no:

PO83089

Revision **1.2** / 11. August 2016

Prüfstelle / Test body:

TÜV SÜD RAIL GmbH
Generische Sicherheitssysteme
Barthstraße 16
D-80339 München



Inhalt / content:

1. I/O-Net p - Interfacemodule / I/O-Net p - Interface module
2. Peripheriemodule
 - 2.1 Eingangsmodule / Input modules

Änderungen zur Vorgängerversion / Changes to the previous version:

Kapitel Chapter	Baugruppe Device	Version Alt / Old	Version Neu / New
1	PNOZ m EF PDP Link	Neu	1.0
2.1	PDP 67 F8DI ION VA	Neu	1.0
2.1	PDP 67 F8DI ION HP VA	Neu	1.0
2.1	PDP 67 F8DI ION	1.0	1.1

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



1. I/O-Net p - Interfacemodule / I/O-Net p - Interface head module

Typ Type	Bezeichnung Description	Sach-Nr. Part No	Referenz	Sicherheitskennwert / Safety parameter ²⁾				
				PFD, PFH [1/h] / T _m =20a	SIL	PL	Kat.	
PNOZ ml2p	I/O-Net p - Interfacekopfmodul zur Anbindung an die Systemfamilie PNOZmulti. I/O-Net p - Interface head module for connection with the system family PNOZmulti	773602	Siehe PO80773 in der aktuell gültigen Fassung. See PO80773 in the current version	<u>Interface:</u>	3,30 x 10 ⁻⁵ 5,35 x 10 ⁻⁹	3	e	4
PNOZ mm12p	I/O-Net p - Interfacekopfmodul zur Anbindung an die Systemfamilie PNOZmini multi. I/O-Net p - Interface head module for connection with the system family PNOZmini multi	772021						
PNOZ m EF PDP Link	I/O-Net p - Interfacekopfmodul zur Anbindung an die Systemfamilie PNOZmulti 2. I/O-Net p - Interface head module for connection with the system family PNOZmulti 2.	772121	Siehe PO84344T in der aktuell gültigen Fassung. See PO84344T in the current version					

2. Externe Peripheriemodule

2.1 Eingangsmodule / Input modules

Typ Type	Bezeichnung Description	Sach-Nr. Part No	Version ¹⁾	Prüfbericht Test Report	Sicherheitskennwert / Safety parameter ²⁾				
					PFD, PFH [1/h] / T _m =20a	SIL	PL	Kat.	
PDP 67 F8DI ION PDP 67 F8DI ION VA	Eingangsmodule, 8 Digitale Eingänge, Schutzart IP67 Input module, 8 digital inputs, protection class IP67	773600 773614	1.1 1.0	PO83078 R1.0 PO89803T R1.0	<u>Interface:</u>	3,30 x 10 ⁻⁵ 5,35 x 10 ⁻⁹	3	e	4
PDP 67 F8DI ION HP PDP 67 F8DI ION HP VA	Eingangsmodule, 8 Digitale Eingänge, 8 Digitale Standardausgänge, Schutzart IP67 Input module, 8 digital inputs, 8 digital standard outputs, protection class IP67	773601 773615	1.0 1.0	PO83078 R1.0 PO89803T R1.0	<u>Single input:</u>				
					<u>Double input:</u>	1,68 x 10 ⁻⁵ 1,24 x 10 ⁻⁹	3	e	4
					PFD PFH				



Fußnote / Footnote

1) Version:

Falls mehrere Angaben in der Versionsspalte stehen, bezieht sich die erste Nummer auf den Versionsstand der Baugruppe, die zweite Nummer auf den Stand des Betriebssystems. Falls nur eine Nummer angegeben ist, kennzeichnet diese die Baugruppe auch alleine vollständig. 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.

If you find more than one entry in the version column, the first number refers to the version number of the module, the second number refers to the status of the device operating system. If only one number is shown, it describes the entire module. 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.

2) Sach-Nr. / Part No:

Ergänzzbar durch Zeichen im Bereich 00...99 und AA...ZZ / Can be added by Character in range 00...99 and AA...ZZ

3) Safety characteristics:

SIL:	Maximal erreichbarer Safety Integrity Level entsprechend EN / IEC 61508 / Maximal achievable Safety Integrity Level according EN / IEC 61508
PL:	Maximal erreichbarer Performance Level entsprechend EN 13849-1 / Maximal achievable Performance Level according EN 13849-1.

	Freigabe Prüfstelle: Release by Test Body:	Freigabe Zertifizierstelle: Release by Certification Body:	Freigabe Firma: Release by Manufacturer:
Datum: Date:	11.08.2016	11.08.2016	12.08.2016
Unterschrift: Signature:			