ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

EC-Type Examination Certificate

No. M6A 020132 0199 Rev. 02

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

Product: **AC Servo Systems**
Model(s): **PMCprotego and PMCprimo**

Parameters:

Supply voltage AC:	3* 208 - 480 VAC
or:	110 - 230 VAC
Power output:	1.0 kVA – 50 kVA

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 PO85107C-A 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.: PO85107C

Valid until: 2030-09-28

Date, 2025-09-29

(Günter Greil)

TÜV SÜD Product Service GmbH is Notified Body according to Council Directive 2006/42/EC relating to machinery, notified by publication in the Offical Journal of the EC with identification No.0123.

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

C E R T I F I C A T E

No. Z10 020132 0198 Rev. 03

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

Certification Mark:

Product: **AC Servo Systems**

Model(s): **PMCprotego and PMCprimo**

Parameters:

Supply voltage AC:	3* 208 - 480 VAC
or:	110 - 230 VAC
Power output:	1.0 kVA – 50 kVA

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 PO85107C-A in the current valid revision.

Tested according to:

2006/42/EC
EN 61800-5-2:2017
EN 61508-1:2010
EN 61508-2:2010
EN 61508-3:2010
EN 61800-3:2018
EN IEC 62061:2021
EN ISO 13849-1:2023
EN 61326-3-1:2017

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. 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.: PO85107C
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Add value.
Inspire trust.

List of variants
of AC Servo Systems
PMCprotego und PMCprimo

AC Servo Systems
PMCprotego and PMCprimo

Applicant

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

Report no. PO85107C-A
Revision 2.0 of 2025-10-09

Testing Laboratory for Safety Components

TÜV SÜD Rail GmbH
Rail Automation
Westendstraße 199
80686 München

Certification Body

TÜV SÜD Product Service GmbH
Ridlerstraße 65
80339 München

Changes to the previous version:

Version	Chapter	Type Device	Remarks
1.0			
1.1	HW-Slot3	S2 / S2-2	Update Technical Report Correction of Performance Level
1.2	HW-Slot3	S1-2-C / S2-2-C	Addition of Coated PCB
1.3	HW-Slot3	all	Update Technical Report
1.4	HW-Slot3	all	Update Technical Report
1.5	HW-Slot3	all	SW 101 -> 101.01, Technical Report V1.5 -> V1.6
1.6	HW-Slot3		Deletion of S1/S2, Addition of Parameter G
1.7	PASmotion		Expanding of version from 2 to 3 digits
1.8	-		New address of Testing laboratory
1.9	Formal HW-Slot-3 PASmotion Safety feature	All PMCprotego S3	Formal adjustments Added latest Versions (1.5.x and 1.6.x) PFD 9,54 x 10^{-5}→ 9,55 x 10^{-5}
2.0	Formal HW-Slot-3 PASmotion Safety feature	All PMCprotego S3	Deletion of one Versions (1.6.x)

Nomenclature of products

	Type rating	Hardware Option Slot 1 Hardware Option Slot 2 **Hardware Slot 3**	Software Option	Electr. / mech. Option	Firmware Option	Supply voltage
PMCprotego D.	aa	/b c **d**	/e	/f	/g	/h
PMCprimo DriveP.						

Type rating:

aa:	Output current
01	1,5 A
03	3 A
06	6 A
12	12 A
24	24 A
48	48 A
72	72 A

Hardware Option Slot 1

b:	Expansion card not safety relevant

Hardware Option Slot 2

c:	Expansion card not safety relevant

Hardware Slot 3

Slot 3 - Type **d:**	Safety card	Order No	Version FW/HW	Technical report	Remark
-	none	-	-	717502561 V1.5	max SIL 3 (EN 61508) max. PLe, Cat 4 (EN ISO 13849) maximum SIL 3 (EN 62061)
C	PMCprotego S1-2	680004	101.01/004	717502561 V1.5	max. SIL 3 (EN 61508) max. PLe, Cat 4 (EN ISO 13849) maximum SIL 3 (EN 62061)
D	PMCprotego S2-2	680006	101.01/004	717502561 V1.5	max. SIL 2 (EN 61508) max. PLd, Cat 3 (EN ISO 13849) maximum SIL 2 (EN 62061)
E	PMCprotego S1-2-C	680008	101.01/004	717502561 V1.5	max. SIL 3 (EN 61508) max. PLe, Cat 4 (EN ISO 13849) maximum SIL 3 (EN 62061)
F	PMCprotego S2-2-C	680009	101.01/004	717502561 V1.5	max. SIL 2 (EN 61508) max. PLd, Cat 3 (EN ISO 13849) maximum SIL 2 (EN 62061)
G	PMCprotego S3.SN 8DI 6DO EI BR	680010	02.00.00/ 01.02	717502561 V1.7	max. SIL 3 (EN 61508) max. PLe, Cat 4 (EN ISO 13849) ´ümaximum SIL 3 (EN 62061)

Software Option

e:	Software option not safety relevant

Electr. / mech. Option

f:	Option not safety relevant

Firmware Option

g:	Firmware not safety relevant

Supply voltage

h:	208...480VAC
	110...230VAC

PASmotion Safety Configurator

Version	Evidence document	Remark
1.3.x	717502561 V1.6	--
1.4.x	717502561 V1.7	--
1.5.x	717530004_Pilz_SX6_PASMotion_1_5_0_20240513_1.5	--

Safety feature

Type	Safety properties			
	PFD [a] $T_{mission}$ = 10a	PFD [a] $T_{mission}$ = 20a	PFH [1/h] $T_{mission}$ = 10a	PFH [1/h] $T_{mission}$ = 20a
PMCprotego D 1A ... 24A	$9{,}06 \times 10^{-7}$	$1{,}81 \times 10^{-6}$	$1{,}04 \times 10^{-9}$	$1{,}04 \times 10^{-9}$
PMCprotego D 48A / 72A	$1{,}20 \times 10^{-6}$	$2{,}39 \times 10^{-6}$	$1{,}37 \times 10^{-9}$	$1{,}38 \times 10^{-9}$
PMCprotego S1-2	$2{,}32 \times 10^{-4}$	$4{,}66 \times 10^{-4}$	$5{,}28 \times 10^{-9}$	$5{,}35 \times 10^{-9}$
PMCprotego S2-2	$5{,}40 \times 10^{-4}$	$1{,}08 \times 10^{-3}$	$1{,}23 \times 10^{-8}$	$1{,}23 \times 10^{-8}$
PMCprotego S3, Mode SIL2, PLd, Cat3[1]	$7{,}45 \times 10^{-5}$	$1{,}45 \times 10^{-4}$	$2{,}50 \times 10^{-9}$	$2{,}61 \times 10^{-9}$
PMCprotego S3, Mode SIL3, PLe, Cat4[2]	$5{,}16 \times 10^{-5}$	$9{,}55 \times 10^{-5}$	$1{,}96 \times 10^{-9}$	$2{,}00 \times 10^{-9}$

	Release by Certification Body:	Release by Testing Laboratory:
Date and Signature:	Christian Dirmeier 2025.10.09 10:53:38 +02'00'	Thomas Kreten 2025.10.09 10:39:04 +02'00'

[1] DIO SNp, Encoder MTTF = 10a
[2] DIO SNp, Encoder MTTF = 57a