

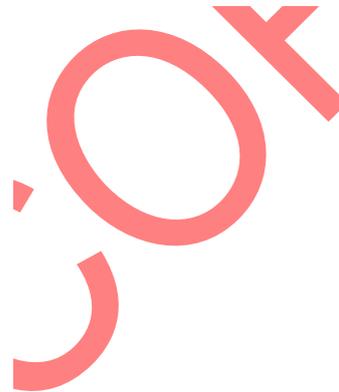
TÜV Rheinland Industrie Service GmbH
Postfach, 51101 Köln

JTEKT CORPORATION
1-1 Asahimachi, Kariya
Aichi 448-8652
Japan

Helmut Buchwinkler
Kst. 968 / bwk-nie

Tel. +49/30/7562-1612
Fax +49/30/7562-1370
Mail buchwinh@de.tuv.com
Web www.tuv.com

2018-05-29



Confirmation letter about the product TOYOPUC-PCS of company JTEKT CORPORATION

To whom it concerns,

the safety related field bus controller TOYOPUC-PCS ('the product') of company JTEKT CORPORATION was initially assessed in 2004 and certified on 2004-03-26 by TÜV Rheinland Industrie Service GmbH.

According to the certificate holder's statement no safety relevant issues from filed operation were reported. Furthermore the product was not modified since the last assessment and certification. Thus the product can be considered as proven in use and it also can be assumed that the product is sufficiently free from systematic failures.

From the Certification Body's point of view, the meanwhile updated standards do not compulsory require a modification of the product in order to retain the level of functional safety as stated in the current certificate no.: 968/EZ 173.07/13, thus the product further fulfils the stated level of functional safety after expiration of the before mentioned certificate on 2018-05-31.

The order for a re-certification of the product based on the actual standards has already been placed and the product is currently under assessment for re-certification. Re-certification is planned to be finalized by the end of October 2018.

If you have any questions do not hesitate to contact Mr. Buchwinkler.

Best regards from Cologne and Berlin
BA Automation - Functional Safety
Business Unit FS Products

i. V.



Dipl.-Ing. Stephan Hüb

i. A.



Dipl.-Ing. Helmut Buchwinkler

TÜV Rheinland
Industrie Service GmbH
Am Grauen Stein
51105 Köln

Management board:
Andreas Geck (Spokesman)
Dirk Fenske

Chairman of the supervisory
board
Dr.-Ing. Michael Fübi

Head Office: Cologne

Register court: Local Court,
under registry number:
Cologne, HRB 26876

VAT ID: DE 81195577

Web www.tuv.com



TÜVRheinland®

ZERTIFIKAT CERTIFICATE



Nr./No.: 968/EZ 173.07/13

Prüfgegenstand Product tested	Sicherheitsgerichtete programmierbare Feldbussteuerung Safety-related Programmable Fieldbus Controller	Zertifikatsinhaber Certificate holder	JTEKT CORPORATION 1-1 Asahimachi, Kariya Aichi 448-8652 Japan
Typbezeichnung Type designation	TOYOPUC-PCS, consisting of the following modules: CPU (TAC-6089), RMT-S (TAU-6102), S-BUS (TAU-6098), SPM002 (TAK-6177), DI001 (TAK-6090), DI003 (TAK-6104), DO002 (TAK-6093), DO003 (TAK-6108), BASE5 (TAR-6148), BASE8 (TAR-6149), BASE12 (TAR-6094), FAN2 (TAU-6208), P-FLT (TAU-6207)	Hersteller Manufacturer	wie Zertifikatsinhaber see certificate holder
Prüfgrundlagen Codes and standards forming the basis of testing	IEC 61508 Parts 1-7:1998 / 2000 EN ISO 13849-1:2008 + AC:2009 EN ISO 13849-2:2008	EN 61131-2:2007 EN 50178:1997 NFPA 79:2012 (in extracts)	
Bestimmungsgemäße Verwendung Intended application	Maschinensicherheit; Anwendungen, in denen der energielose Zustand der sichere Zustand ist. Das System erfüllt die Anforderungen der Prüfgrundlagen (Kat. 4 / PL e nach EN ISO 13849-1, SIL 3 nach IEC 61508) und kann in Anwendungen bis Kat. 4 / PL e nach EN ISO 13849-1 und SIL 3 nach IEC 61508 eingesetzt werden. Safety of machinery; applications in which the de-energised state is the safe state. The system complies with the requirements of the relevant standards (Cat. 4 / PL e acc. to EN ISO 13849-1, SIL 3 acc. to IEC 61508) and can be used in applications Cat. 4 / PL e acc. to EN ISO 13849-1 and SIL 3 acc. to IEC 61508.		
Besondere Bedingungen Specific requirements	Die Hinweise in der zugehörigen Installations- und Betriebsanleitung sind zu beachten. The instructions of the associated Installation and Operating Manual shall be considered.		
Dieses Zertifikat ist gültig bis 31.05.2018. This certificate is valid until 2018-05-31.			



Functional Safety Type Approved
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Der Ausstellung dieses Zertifikates liegt eine Prüfung zugrunde, deren Ergebnisse im Bericht-Nr. 968/EZ 173.07/13 vom 31.05.2013 dokumentiert sind.

Der Inhaber eines für den Prüfgegenstand gültigen Genehmigungs-Ausweises ist berechtigt, die mit dem Prüfgegenstand übereinstimmenden Erzeugnisse mit dem abgebildeten Prüfzeichen zu versehen.

The issue of this certificate is based upon an examination, whose results are documented in report-no.: 968/EZ 173.07/13 dated 2013-05-31.

The holder of a valid licence certificate for the product tested is authorized to affix the test mark shown opposite to products, which are identical with the product tested.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2013-05-31

Certification Body for FS-Products

Dr.-Ing. Thorsten Gantevoort