

# EC Type-Examination Certificate



Product Safety  
Functional  
Safety

www.tuv.com  
ID 0600000000

**Reg.-No.: 01/205/5440.02/17**

<b>Product tested</b>	Safety Function "Safe Torque Off" (STO) within the PowerFlex 527 Adjustable Frequency AC Drives (Hardwired-STO / Integrated-STO via CIP-Safety command)	<b>Certificate holder</b>	Rockwell Automation 6400 West Enterprise Drive Mequon, WI 53092 USA
<b>Type designation</b>	PF527 25-xxxxxxx series Frame A-E, Voltage Classes: 120VAC (single phase), 240VAC (single phase), 240VAC (3 phase), 480VAC (3 phase), 600VAC (3 phase)		
	For released and supported versions refer to "Revision List".		
<b>Codes and standards</b>	IEC 61800-5-2:2016 EN 61800-5-1:2007 (in extracts) EN 61800-3:2004 + A1:2012 (in extracts) EN ISO 13849-1:2015	EN 62061:2005 + AC:2010 + A1:2013 + A2:2015 EN 60204-1:2006 + A1:2009 + AC:2010 (in extracts) IEC 61508 Parts 1-7:2010	
<b>Intended application</b>	The safety function "Safe Torque Off" complies with the requirements of the relevant standards (Cat. 3 / PL e acc. to EN ISO 13849-1, SILCL 3 acc. to EN 62061 / EN 61800-5-2 / IEC 61508) and can be used in applications up to these levels.		
<b>Specific requirements</b>	The instructions of the associated Installation and Operating Manual shall be considered. Hardwired-STO is not supported for firmware revisions lower than Firmware: 1.7.1931 / Safety Code: 1.4.9 / CSHT: 1.002.0004.		

It is confirmed that the product under test complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.

Valid until 2022-03-08

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1108.02/17 dated 2017-03-08.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

Berlin, 2017-03-08

Notified Body for Machinery, NB 0035

Dipl.-Ing. Eberhard Frejno

www.fs-products.com  
www.tuv.com

 **TÜVRheinland®**  
Genau. Richtig.

### Safety related modules / components

Type Designation	Description	HW / SW Revision	Report-No.:	Certification Status
PowerFlex 527	PF527 25-xxxxxxx Series Catalog Number: 25C-*. Frame A-E Voltage Classes 120VAC (single phase), 240VAC (single phase), 240VAC (3 phase), 480VAC (3 phase), 600VAC (3 phase)	HW rev 02(01) / 1.6.1883 (FW functional) Safety Code: 1.2.1030016, CSHT: 1.002.0001	968/FSP 1108.00/15	<i>Valid <sup>1)</sup></i>
		HW rev 02(01) / 1.6.1883 (FW functional) Safety Code: 1.2.1030016, CSHT: 1.002.0001	968/FSP 1108.01/17	<i>Valid</i>
		HW rev 02(01) / 1.7.1931 (FW functional) Safety Code: 1.4.9, CSHT: 1.002.0004	968/FSP 1108.02/17	<i>Valid</i>
		HW rev 02(01) / 1.008.1975 (FW functional) Safety Code: 1.4.9, CSHT: 1.002.0004	968/FSP 1108.03/17	<i>Valid</i>

Note: For overview reasons, the table does not contain the non-safety related PCBs (Power PCB, Key board, CIP PWA, Connector board, Encoder board, PN-xxxxxx) nor the functional drive firmware.

Remarks: <sup>1)</sup>: Originally covered by certificate 01/205/5440.00/15 (withdrawn);  
Replaced by 01/205/5440.01/17 (no support of STO-Hardwired, Safety-Firmware < 1.4.9 / 1.002.0004) and 01/205/5440.02/17 (current certificate).

**Remark: The manufacturer and TÜV Rheinland agree on the revision list as an attachment to the certificate.**

### Revision:

Date	Rev.	Description / Changes	Author
2017-03-08	1.0	Initial creation, based on Report-No.: 968/FSP 1108.02/17	Gr/A-FS
2017-12-12	1.1	Updated based on Report-No.: 968/FSP 1108.03/17	Gr/A-FS