

(1) EC TYPE-EXAMINATION CERTIFICATE



(2) Equipment and Protective Systems intended for use in
Potentially Explosive Atmosphere - **Directive 94/9/EC**

(3) EC Type-Examination Certificate Number

TÜV 15 ATEX 7696 X

(4) **Equipment:** **Safe Off Control of Adjustable Frequency AC
Drive PowerFlex 527**

(5) **Manufacturer:** **Rockwell Automation**
(6) **Address:** **1201 South Second Street
Milwaukee, WI 53204-2496
United States of America**

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle for ex-protected products of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive. The examination and test results are recorded in the confidential report 557/Ex7696.00/15

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 50495: 2010

except the requirements, which are listed under item (18).

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type-Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:

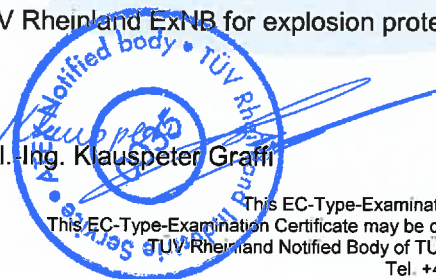


II (2) GD

TÜV Rheinland ExNB for explosion protected equipment

Cologne, 2015-09-10

Dipl.-Ing. Klauspeter Graffi



This EC-Type-Examination Certificate without signature and stamp shall not be valid.
This EC-Type-Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TÜV Rheinland Notified Body of TÜV Rheinland Industrie Service GmbH, Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13)

Annex to

(14)

EC-Type Examination Certificate

TÜV 15 ATEX 7696 X

(15)

Description of equipment

15.1 Equipment and type:

Safe Off Control of Adjustable Frequency AC Drive PowerFlex 527

15.2 Description

General product information

The Safe Torque-Off (STO) feature provides a method, with sufficiently low probability of failure, to force the power-transistor control signals to a disabled state. When the command to allow torque ceases, all of the drive output-power transistors are released from the On state. This results in a condition where the motor is coasting (stop category 0). Disabling the power transistor output does not provide mechanical isolation of the electrical output that is required for some applications.

There is a hardwired or network control of Safe Torque Off available. Only the hardwired control is allowed for ATEX applications.

15.3 Technical Data

PFH for 10-year Proof Test Interval

Attribute	Value (Hardwired and Network)
PFH (1e-9)	2.10
Proof test (years)	10

For electrical data see User Manual.

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(16) **Test-Report No.** 557/Ex7696.00/15

Parts of the device, which already fulfil the requirements for the category, were not approved and assessed by TÜV Rheinland Industrie Service.

(17) **Special Conditions for safe use**

1. The information from the user manual for the Safe Torque Off Option shall be considered.
2. The overall safety loop for over temperature detection must meet the SIL 1 requirement.

(18) **Basic Safety and Health Requirements**

Covered by afore mentioned standard

TÜV Rheinland ExNB für explosion protected equipment

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