TÜV Rheinland Group

(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 05 ATEX 7202

(4) **Equipment:** **Adjustable Frequency AC Drive PowerFlex 700S**

(5) **Manufacturer:** **Rockwell Automation**

(6) **Address:** **6400 West Enterprise Drive**
Mequon, Wisconsin 53092, USA

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

(8) The TÜV CERT-Zertifizierungsstelle for ex-protected products of TÜV Industrie Service GmbH, TÜV Rheinland Group, 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 eyplosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 194 /Ex 202.01 / 05

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with

EN 954-1: 1996

(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 construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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

Ex II (2)

TÜV CERT-Zertifizierungsstelle für Explosionsschutz Cologne, 2005-08-03

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TÜV Rheinland Group

(13) **Schedule**

(14) **EC-TYPE-EXAMINATION CERTIFICATE TÜV 05 ATEX 7202**

(15) **Description of equipment**

The PowerFlex 700S drive is designed to control three-phase induction motors in applications with requirements ranging from the speed control to torque control.

Motors in hazardous locations supplied at varying frequency and voltages need special temperature controls specified in the motor manufacturer's documentation.

The PowerFlex 700S drive has a protective system to stop current flow to the motor when an over temperature condition has been sensed in the motor.

Characteristics

The motor over temperature signal supplied to the drive must be a normally closed contact (open contact during over temperature condition) compatible with the digital (logic) input circuitry of the drive. If multiple sensors are required in the motor, the connection at the drive must be the resultant of all required contacts wired in series.

The first input must energize "Digital Input6/Hardware Enable" on the drive control board (TB2, terminal 16).The second input must energize the relay coil on the DriveGuard Safe-Off with Second Encoder option board (terminals 1 and 2 on the board). This option board must be installed in the drive for ATEX applications.

(16) **Test and Assessment Report:** 194 / Ex 202.01 / 05

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

none

(18) **Essential health and safety requirements**

Covered by the applied Standards.

TÜV CERT-Zertifizierungsstelle für Explosionsschutz Cologne, 2005-08-03

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