



(1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**

(3) EC-type-examination Certificate Number:

PTB 04 ATEX 3039



(4) Equipment: Circuit-breaker for motor protection, types Allen-Bradley 140M-C/D... , 190.-..., 191.-...; 103.-... and 107.-... and Sprecher+Schuh, KTA7-25.-..., CK7-..., CKU7-..., CL7-... and CLU7-...

(5) Manufacturer: Rockwell Automation AG

(6) Address: Buchserstr. 35, 5001 Aarau, Switzerland

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that 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 atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 02-31234.

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

EN 60947-1

EN 60947-5-1

EN 60079-14

EN 60947-4-1

EN 60947-2

EN 954-1

(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, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

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Zertifizierungsstelle Explosionsschutz

Braunschweig, September 09, 2004

By order:

Dr.-Ing. F. Lienesch
Oberregierungsrat



sheet 1/3

EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

SCHEDULE

(13)

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 04 ATEX 3039

(15) Description of equipment

The Circuit-Breakers for motor protection of types 140M-C/D... (type designations for Allen-Bradley) and KTA7-25.-... (type designations for Sprecher+Schuh) comprise an overload release with current-dependent delay on bimetallic basis, phase-failure protection, temperature compensation and an undelayed electromagnetic short-circuit release. They are to be used in connection with suitable contactors as starters and reversing starters (see explanations regarding starter variants of October 30, 2001) or without contactors to protect non-explosion-protected motors and explosion-protected motors. Types 140M-C/D... and KTA7-25.-... are each available in thirteen designs for the current ranges between 0.1 A and 25 A and tripping class 10A.

By means of a risk analysis, category 1 was determined on the basis of EN 954-1 Annex B and evidenced by appropriate measures.

The data of the motor manufacturers and/or the data regarding explosion protection given in the Certificate of Conformity or in the EC-type-examination Certificate for explosion-protected motors of the "Increased Safety" type of protection must be taken into account.

The Circuit-Breakers may be installed only outside potentially explosive atmospheres for the protection of explosion-protected motors. When they are used in potentially explosive atmospheres, the devices must be of the type of protection required.

Additional information can be taken from

- downloaded from the Internet site www.ab.com/Certification (Allen-Bradley) and
- www.ssusa.cc/exdocs (Sprecher+Schuh).

(16) Test report PTB Ex 02-31234

(17) Special conditions for safe use

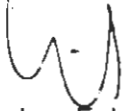
none

(18) Essential health and safety requirements

The tests carried out and their positive results as well as the proof furnished of June 28, 2004 (list of the company containing the test documents submitted, point 19: enclosures), have confirmed compliance with the standards and thus with Directive 94/9/EC, Annex II (in particular point 1.5). Suitably selected and adjusted safety devices of this type are necessary for the safe operation of motors of the type of protection "Increased Safety". The devices themselves are installed outside potentially explosive atmospheres (article 1, section 2 of the Directive).

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