KEMA Quality

(1) # EC-TYPE EXAMINATION CERTIFICATE

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 01ATEX2145 X** Issue Number: **2**

(4) Equipment: **Control Unit Type 8264/5...-...**

(5) Manufacturer: **R. STAHL Schaltgeräte GmbH**

(6) Address: **Am bahnhof 30, 74638 Waldenburg, Germany**

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

(8) KEMA Quality B.V., notified body number 0344 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 confidential test report number 213404600.

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

EN 60079-0 : 2006	**EN 60079-1 : 2007**	**EN 60079-7 : 2007**
EN 60079-11 : 2007	**EN 61241-0 : 2006**	**EN 61241-1 : 2004**

(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 according 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:

II 2 G Ex d... IIB + H2 T6 to **T4**
II 2 G Ex d... IIB T6 to **T4**
II 2 D Ex tD A21 IP6x T80°C to **T130°C**

This certificate is issued on March 29, 2010 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.

T. Pijpker
Certification Manager

PRODUCTS RvAC 001

KEMA Quality B.V. Utrechtseweg 310, 6812 AR Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 26 3 56 20 00 F +31 26 3 52 58 00 www.kemaquality.com Registered Arnhem 09085396

(13) # SCHEDULE

(14) **to EC-Type Examination Certificate KEMA 01ATEX2145 X** Issue No. **2**

(15) **Description**

The Control Panel Type 8264/5...-... consists of one or more enclosures in type of protection flameproof enclosure "d", in which the electrical apparatus is mounted. The electrical connection is made by direct entry or by using terminal boxes or control and distribution boxes in type of protection increased safety "e". Combinations of enclosures are allowed and separately certified electrical apparatus can be installed in or mounted to the enclosure, according to the technical details laid down in the test documentation.

Ambient temperature range -55 °C to + 60 °C for IIB.
Ambient temperature range -20 °C to + 60 °C for IIB + H2.
Ambient temperature range -55 °C to + 60 °C for tD.

Type of protection

The apparatus marking is completed by using the codes "e", "q", "ma", "mb", "op", "[ia]", "[ib]" as applicable, depending on the built-in apparatus and components.

When batteries are built within the enclosure, these must comply with the applicable clauses of EN 60079-1 : 2007, Annex E.

When equipment with optical radiation is built within the enclosure, this equipment must comlpy with the applicable clauses of EN 60079-28 : 2007.

Temperature class

The temperature class of the Control Panel T4 to T6 is based on the power dissipation of the apparatus and components mounted in the flameproof enclosure and on the temperature class of the components mounted in the terminal box or control and distribution boxes. The lowest temperature class is normative. The maximum surface temperature T 80 °C, T 95 °C or T 130 °C is related to the temperature class of the control unit.

When cemented window(s) are used within the enclosure, the maximum surface temperature shall be 85°C.

When controls for IP66 are used, the maximum surface temperature shall be 80°C.

Degree of protection according to EN 60529

The Control Panel without controls provides a degree of ingress protection of at least IP66. The Control Panel with controls provides a degree of ingress protection of IP64 or IP66.

Electrical data

The data are dependent on the built-in apparatus and the cable entries and feed-throughs used and are to be taken from the applicable certificates and manufacturers' data.

Rated voltage	max. 11 kV
Rated current	max. 1250 A
Nominal conductor cross section	max. 630 mm^2

(13) # SCHEDULE

(14) **to EC-Type Examination Certificate KEMA 01ATEX2145 X** Issue No. **2**

Installation instructions

The manual provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

KEMA No. 213404600.

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

The flame path length is more than required by EN 60079-1. Contact the manufacturer for information on the dimensions of the flameproof joints.

The property classes of the screws are A70 for M10 and A80 for M12.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 213404600.