CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

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

(4) Product: **Control Panel 8264/5**

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

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

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

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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 NL/KEM/ExTR/07.0049/02.

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

EN 60079-0 : 2012	**EN 60079-1 : 2014**	**EN 60079-7 : 2015**
EN 60079-11 : 2012	**EN 60079-18 : 2015**	**EN 60079-31 : 2014**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

II 2 G Ex db .. II .. T.. Gb
II 2 D Ex tb IIIC T.. °C Db

Date of certification: 12 August 2016

DEKRA Certification B.V.

T. Pijpker
Certification Manager

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 88 96 83000 F +31 88 96 83100 www.dekra-certification.com Registered Arnhem 09085396

(13) # SCHEDULE

(14) **to EU-Type Examination Certificate KEMA 01ATEX2145 X** Issue No. **3**

(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.

For enclosures type 8264 made of aluminium or stainless steel the following ambient temperature ranges apply:

Enclosures in type of protection Ex d IIB+H2 Gb	-20 °C to +60 °C
Enclosures in type of protection Ex d IIB Gb	-60 °C to +60 °C
Enclosures in type of protection Ex d IIB Gb with windows cemented with (D0083)	-40 °C to +60 °C
Enclosures in type of protection Ex d IIB Gb with windows cemented with (D0143)	-60 °C to +60 °C
Enclosures in type of protection Ex tb IIIC Db	-60 °C to +60 °C
Maximum service temperature	+100 °C

Type Code

8264	/	*	*	*	*	-	*	*	*	*
a	/	b	c	d	e	-	f	g	h	i

a	Type / Series	
b	Design	5 = control
c	Enclosure size – Length [mm]:	0 = Combination
		1 = 235
		2 = 360
		3 = 480
		9 = 730
d	Enclosure size – Width [mm]:	0 = Combination
		1 = 235
		2 = 360
		3 = 480
		9 = 730

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 01ATEX2145 X** Issue No. **3**

e	Enclosure size – Height [mm]:	0 = Combination
		2 = 270 (stainless steel)
		3 = 340 (stainless steel)
		4 = 260 (aluminium, casted, sheet cover)
		5 = 330 (aluminium, casted, sheet cover)
		6 = 465 (Welded)
		7 = 570 (Welded)
		8 = 480 (Welded, retaining / captive screws)
		9 = 585 (Welded, retaining / captive screws)
f	Enclosure material	2 = Stainless steel
		3 = Aluminium
g … i Additional variations filled in, if required not affecting certification		

Type of protection

The following marking can be used according to the type of protection required for installed equipment and components to flameproof enclosure:

(1) Protection level: db, eb, ia, ib, [ia Gb], mb, op is, op pr, q
(2) Subdivision of Group II: IIB or IIB+H_2
(3) Temperature class: T6, T5 or T4
(4) Maximum surface temperature: T80 °C, T95 °C or T130 °C

If batteries are built within the enclosure, these must comply with the applicable clauses of IEC 60079-1 : 2014, Annex E.

If equipment with optical radiation is built within the enclosure, this equipment must comply with the applicable clauses of IEC 60079-28 : 2014.

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 100°C.

When controls with an IP66 degree are used, the maximum surface temperature shall be 80 °C

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

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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.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

NL/KEM/ExTR07.0049/02

(17) **Specific conditions of 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 A4-70 for M10 and A4-80 for M12 and M14

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR07.0049/02

(20) **Certificate history**

Issue 0 -	201037800	Initial certificate
Issue 1 -	201880000	Extension with H_2, extension of ambient temperature range, required separation distance to obstacles reduced to 10 mm
	207448000	Extension of the range of certified components for IIB + H_2
	209049900	Alternative enclosure construction in stainless steel
Issue 2 -	213404600	Assessment to new editions of applicable standards, new enclosure sizes, change of ambient temperature ranges, alternative cement, covers and window and several other additions and changes
Issue 3 -	218938500	Assessment to new editions of standards, new enclosure sizes added, extension of ambient temperature range for IIB and for Ex t, new cemented window