

# CERTIFICATE

## (1) EC-Type Examination

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

(3) EC-Type Examination Certificate Number: **KEMA 02ATEX2272** Issue Number: **3**

(4) Equipment: **Terminal / junction boxes, Series JBE...**

(5) Manufacturer: **Electromach b.v., Member of the R. STAHL Technology Group**

(6) Address: **Jan Tinbergenstraat 193, 7559 SP Hengelo, The Netherlands**

(7) This equipment 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 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 NL/DEK/ExTR13.0046/00.

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

**EN 60079-0 : 2012**  
**EN 60079-11 : 2012**

**EN 60079-7 : 2007**  
**EN 60079-31 : 2009**

(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 eb ... IIC T6...T4 or Ex e ... IIC T6...T4 Gb**

**Ex ia ... IIC T6...T4 or Ex ia ... IIC T6...T4 Gb**

**Ex eb ia ... IIC T6...T4 or Ex e ia ... IIC T6...T4 Gb**

**II 2 D Ex tb IIC T80 °C...T130 °C IP66 or Ex tb IIC T80 °C...T130 °C Db IP66**

This certificate is issued on 6 December 2013 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.

DEKRA Certification B.V.

T. Pijpker  
Certification Manager

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Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 02ATEX2272**

Issue No. 3

(15) **Description**

Terminal / junction boxes Series JBE..., for fixed installation, made of stainless or sheet steel, for mounting of separately certified terminal blocks for non-intrinsically and intrinsically-safe circuits, isolating terminals and/or fuses. The apparatus marking is completed by using the codes "m", "[ia]", "[ib]" and "d" as applicable, depending on the built-in apparatus and components. For intrinsically safe circuits, the area for the terminals is marked, e.g. by a light blue colour.

The ambient temperature range is -58 °C to +60 °C or -25 °C to +60 °C, depending on the type of sealing gasket. JBE terminal / junction boxes in type of protection "ia/ib" are available for a maximum ambient temperature of +75 °C for temperature class T6. The maximum surface temperature T ... °C is based on a maximum ambient temperature of +40 °C.

**Electrical data**

The data are dependent on the built-in components and terminals 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. 300 mm<sup>2</sup>

Degree of protection ..... IP66 according to EN 60529

**Installation instructions**

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

(16) **Test Report**

No. NL/DEK/ExTR13.0046/00.

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

None.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/DEK/ExTR13.0046/00.