

# 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: **DEKRA 15ATEX0080** Issue Number: **1**

(4) Equipment: **Signal, Control and Distribution Boxes Type ASSEMBL-Y**

(5) Manufacturer: **Ysebaert N.V.**

(6) Address: **Koralenhoeve 13, 2160 Wommelgem, Belgium**

(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 209088300-issue 2.

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

**EN 60079-0 : 2012 EN 60079-7 : 2007 EN 60079-11 : 2012 EN 60079-31 : 2014 EN 60079-26 : 2015**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to specific conditions of 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 e...II...T... Gb  
II 2 D Ex tb...III...T...°C Db IP6X  
II 2 (1) G Ex e...[ia Ga] II...T...Gb  
II 2 (1) D Ex tb...[ia Da] III...T...°C Db IP6X  
II 1 G Ex ia ... II... T... Ga  
II 1 D Ex ia ... III... T... °C Da  
II 2 G Ex ib ... II...T...Gb  
II 2 (2) G Ex e ... [ib] II... T... Gb  
II 2 (2) D Ex tb ... [ib] III... T...°C Db IP6X

This certificate is issued on 19 October 2015 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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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA 15ATEX0080**

Issue No. 1

(15) **Description**

Signal, Control and Distribution Boxes Type ASSEMBL-Y, for fixed installation or movable or portable use, consisting of a metal or plastic enclosure in type of protection increased safety "e" and protection by enclosure "t", for mounting of separately certified built-in components, e.g. switchgear, control gear, measuring instruments, actuator elements, indicator lights and inspection windows.

**Marking / type of protection**

Apart from the marking required by Directive 94/9/EC, the equipment is marked as required by the standards used for the assessment. Therefore, the marking "Ex" is applied based on compliance with EN 60079-0. The marking is completed by using the codes "d", "q", "t", "m", "[ia]", "[ib]", 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.

For application in areas endangered by the presence of flammable gas, the temperature class of the equipment is based on the power dissipation of the equipment and components mounted in the enclosure. The lowest temperature class is normative.

For application in areas endangered by the presence of combustible dust, the maximum surface temperature of the enclosure T ... °C according to EN 60079-31 is related to the maximum ambient temperature as specified on the box.

The standard ambient temperature range is -20 °C ... +40 °C. Any other range is considered as "special", in which case the range is marked on the box.

**Electrical data**

The data are depending on the built-in components and equipment, and are to be taken from the applicable certificates and manufacturers data.

Rated voltage	max. 15 kV
Rated current	max. 500 A
Rated conductor cross-section	max. 240 mm <sup>2</sup>
Rated cross-section of protective conductors	max. 120 mm <sup>2</sup>

Degree of protection min. IP 54 (gas) or IP 6X (dust) 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. 209088300.

(17) **Specific conditions of use**

None.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA 15ATEX0080**

Issue No. 1

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 209088300.