



(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**

**EPS 15 ATEX 1 817 X**

**Revision 0**

(4) **Equipment:** Field Junction Box B500

(5) **Manufacturer:** WISE Control Inc.

(6) **Address:** 2022 Deogyong-daero, Giheung-gu, Yongin-si, Gyeonggi-do, Korea

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

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23<sup>rd</sup> 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 of the Directive. The examination and test results are recorded in the confidential report 14TH0154.

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

**EN 60079-0:2012**

**EN 60079-1:2014**

**EN 60079-11:2012**

**EN 60079-31:2014**

**EN 60079-7:2007**

(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 and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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



II (1)2G Ex d ia/ib [ia/ib] IIC T6 Gb

II 2G Ex d e IIC T6 Gb

II 2D Ex tb IIIC T85°C Db IP66/IP67



Certification department of explosion protection

Nuremberg, November 27, 2015

  
D. Zitzmann

(13)

## Annexe

(14) **EC-Type Examination Certificate EPS 15 ATEX 1 817 X**

(15) Description of equipment:

Junction box constructed as rectangular enclosure with threaded cover and various threaded entries. Intended use is as junction box with Ex-e/Ex-i terminals for thermocouple or with temperature transmitters installed. Enclosure can be installed in zone 1 and 21. Intrinsic safe circuits can be used for connection of certified temperature sensors for use in zone 1 or zone 0 ("ia" circuit).

Electrical data:

Max. voltage: 250 V  
Max. current: 20 A  
IP Rating: IP66/IP67 according to EN 60529  
Max installation: 40 terminals (WDU 2.5) + 6 transmitters (SITRANS)

(16) Test report: 14TH0154

(17) Special conditions for safe use:

Max. ambient temperature range:  $-40\text{ °C} \leq T_{\text{amb}} \leq +70\text{ °C}$

With SITRANS temperature transducers installed a reduced max. temperature inside enclosure of  $+43\text{ °C} / +60\text{ °C}$  for ia / ib application and T6 must be ensured.

For intrinsic safe application only certified terminals and components shall be used. Connection is only allowed for certified intrinsic safe circuits. Connections must be marked accordingly.

A clearance of at least 50 mm between bare conducting parts of terminals for intrinsically safe and non-intrinsically safe circuits must be respected.

(18) Essential health and safety requirements:

Met by standards.

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Nuremberg, November 27, 2015



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