



1 TYPE EXAMINATION CERTIFICATE

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 06ATEX4280** Issue: **2**

4 Equipment: **HVJB Junction Boxes**

5 Applicant: **ABTECH Ltd**

6 Address: Sanderson Street
Sheffield
S9 2UA
UK

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

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-15: 2005

EN 50281-1-1:1998

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, 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 3 GD
Ex nA II T4 IP66 T70°C
Ta = -20°C to 40°C



II 3 GD
Ex nA II T4 IP66 T90°C
Ta = -50°C to +55°C

Project Number 1989

Signed: 

Title: Director of Operations

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 06ATEX4280

Issue 2

13 DESCRIPTION OF EQUIPMENT

The HVJB junction boxes are rated at 15 kV with a maximum dissipated power as specified in Condition of Certification clause 17.5. They utilise the SX range of Enclosures that are covered by certificate Sira 99ATEX3170U and marked EEx e II and II 2 GD. Inside this enclosure, the HVJB Junction Boxes have an arrangement of up to four, copper busbars to provide connection facilities. These busbars are supported on insulators and may accommodate two cables per phase, a single cable per phase or a combination depending on the arrangement. Connecting cables are terminated in crimped cable lugs that are sandwiched between bus bars. Insulated partitions are fitted between bus bars to improve clearance distances between live parts. The HVJB-8 may optionally be fitted with 2 way, or 3 way main terminals and a suitably certified and dimensioned heater.

Variation 1 - This variation introduced the following changes:

- i. A new ambient temperature range, -50°C to +55°C, was recognised. When this new ambient temperature is applied, the marking is Ex nA II T4 and IP 66 T90°C, this is reflected in the marking and additional Conditions of Certification were introduced.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	29 March 2007	R51A15707A	The release of the prime certificate.
1	12 December 2013	R32153A/00	This Issue covers the following changes: <ul style="list-style-type: none">All previously issued certification was rationalised into a single certificate, Issue 1, Issue 0 referenced above is only intended to reflect the history of the previous certification and has not been issued as a document in this format.The introduction of Variation 1.
2	15th October 2019	1989	<ul style="list-style-type: none">Transfer of certificate Sira 06ATEX4280 from Sira Certification Service to CSA Group Netherlands B.V..Type-Examination Certificate in accordance with 94/9/EC updated to Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i>

15 SPECIAL CONDITIONS FOR SAFE USE

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 06ATEX4280
Issue 2

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

Certificate Annexe



Certificate Number: Sira 06ATEX4280
Equipment: HVJB Junction Boxes
Applicant: ABTECH Ltd

Issue 0

Drawing No.	Sheet	Rev.	Date	Description
ABT12009	1 of 1	A	17 Jun 02	HVJB-8
ABT12010	1 of 1	A	17 Jun 02	HVJB-7
ABT16698	1 of 1	A	29 Sep 06	General Arrangement with Heater
ABT16630	1 of 1	A	26 Sep 06	HVJB Certification Label

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
ABT16630	1 of 1	B	28 Nov 13	HVJB EEx nA 15 kV Label

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands