



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 00ATEX3206** Issue: **3**

4 Equipment: **Type HVB 6.6 Junction Box**

5 Applicant: **Pepperl+Fuchs GmbH**

6 Address: **Lilienthalstrasse 200
68307 Mannheim
Germany**

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of 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 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 60079-0:2006 EN 61241-0:2006
IEC 60079-0:2007 was used for reference with the marking EN 61241-1:2004
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 construction of the specified equipment. 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:

When anti-condensation heater is fitted:



II 2 GD
Ex e IIC T6 Gb
Ex tb IIIC T85°C Db IP66
(T_a = -50°C to +55°C)



II 2 GD
Ex e IIC T4 Gb
Ex tb IIIC T135°C Db IP66
(T_a = -50°C to +55°C)

Project Number 51L22473 / 51L22474
C. Index 04

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D R Stubbings
Certification Manager



SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

The Type HVB6.6 junction box utilises a size 7B standard enclosure manufactured by Walsall Ltd and covered by Certificate Number Sira 00ATEX3027U. The equipment is rated at 6.6 kV (max.), 650 A (max.) and has IP rating of IP66. The enclosure is manufactured from fabricated stainless steel with a single hinged door. There are three, equally spaced, internal bus bars mounted on insulators that are rated at 10 kV. The insulators are in turn installed on an epoxy glass laminate board that is fastened onto mounting rails fixed to the standard enclosure fixing points. There are six, plastic, cable support cleats mounted on GRP support rails for each bus bar connection point.

Variation 1 - This variation introduced the following changes:

- i. The addition of an anti-condensation heater and terminals within the Junction Box; this heater is rated up to 250 V, 50 W and is a type ACH050 certified as ITS04ATEX31843X and coded ε II 2 G, EEx e II T4.

Variation 2 - This variation introduced the following changes:

- i. Following appropriate re-assessment to demonstrate compliance with the requirements of the EN 60079 series of standards, the documents originally listed in section 9, EN 50014:1997 (amendments A1 to A2), EN 50019:2000 and EN 50281-1-1:1998, were replaced by EN 60079-0:2006, EN 60079-7:2007, EN 61241-0:2006 and EN 61241-1:2004, the markings in section 12 were updated accordingly.

Variation 3 - This variation introduced the following change:

- i. The following applicant company name **and address** change:

From:	To:
Walsall Limited.	Pepperl+Fuchs GmbH
Cornwallis Road	Lilienthalstrasse 200
West Bromwich	68307 Mannheim
West Midlands	Germany
B70 7DX	

- ii. The use of alternative label materials.
- iii. The addition of a Datamatrix code on the label.



SCHEDULE

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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	19 December 2000	R53A7080A	The release of the prime certificate.
1	31 March 2008	R59A18027A	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	6 October 2008	R51A16981R3EB	The introduction of Variation 2.
3	17 August 2010	R22473A/R22474A	The introduction of Variation 3.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

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

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

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Certificate Annexe

Certificate Number: Sira 00ATEX3206
Equipment: Type HVB 6.6 Junction Box
Applicant: Pepperl+Fuchs GmbH



Issues 0 and 1

The drawings associated with these Issues were replaced by those listed in Issue 2

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
03C106	1 of 4	B	27 Mar 08	6.6 kV JUNCTION BOX – TYPE HVB 6.6
03C106	2 of 4	-	23 Nov 00	6.6 kV JUNCTION BOX – TYPE HVB 6.6
03C106	3 of 4	-	23 Nov 00	6.6 kV JUNCTION BOX – TYPE HVB 6.6
03C106	4 of 4	-	23 Nov 00	6.6 kV JUNCTION BOX – TYPE HVB 6.6
03C107	1 of 1	0	08 Oct 08	CERTIFICATION LABEL FOR TYPE HVB6.6 JUNCTION BOX

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
260-5412	1 of 1	-	17 Aug 10	Example certification label

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