



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 07ATEX1132X** Issue: **1**

4 Equipment: **FW Range of Junction Boxes, Control, Indicator, Alarm & Limit Switch Stations**

5 Applicant: **Pepperl+Fuchs GmbH (incorporating the Govan brand)**

6 Address: **Lilienthalsraße 200 Refer to the description for Alternative Manufacturing
68307 Mannheim Locations
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 60079-1:2004

EN 60529:1992 (Inc. A1 & A2)

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:



II 2 G

Ex d IIB T6 IP66

Project Number 30253

A C Smith
Certification Manager

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



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 07ATEX1132X

Issue 1

13 DESCRIPTION OF EQUIPMENT

The FW Range of Junction Boxes, Control, Indicator, Alarm & Limit Switch Stations comprise a cylindrical body and cover secured with bolts, which forms a spigot joint. The main body and cover are constructed from cast aluminium alloy. The cover may either be a flat plain cover or a raised cover fitted with an entry for a switch or indicator light module. The enclosures are IP 66 rated.

The FW range may be supplied in any of the following configurations:

Control Station

The cylindrical body fitted with either a raised cover, which may be fitted with a module having a pushbutton switch, rotary switch, an incandescent indicator light or an LED indicator light; or a flat cover, when the body is fitted with a roller actuator type limit switch or a plunger actuator type limit switch.

In the "Breakglass Alarm Station", the raised cover is fitted with an additional housing with a glass window.

Junction Box

The cylindrical body fitted with either a raised cover, which may be fitted with a module plug; or a flat cover.

The enclosures may be supplied with a Govan MN07 blanking plug module to close unused entries and may be fitted with any of the following Govan Modules:

1. MN01, 2, 3, 4, 5 & 8 – Push button module for Group IIB applications
2. MN06 – Push button module (pad lockable) for Group IIB applications
3. MN07 - Plug module for Group IIB applications
4. MN09 – Indicator light module (incandescent type) for Group IIB applications
5. MN11 – Indicator light module (LED transformer type) for Group IIB applications
6. SM10 – 10 Amp to 20 Amp switch module for Group IIB applications

Alternative Manufacturing Locations

Pepperl+Fuchs GmbH, Geschäftsbereich, Werk Bühl / Baden, Bußmatten 10-12, 77815 Bühl, Germany
Pepperl+Fuchs Manufacturing UK Ltd, Unit 8-9, Woden Road West, The Woodbank Trading Estate, Wednesbury, West Midlands WS10 7SU, United Kingdom

Pepperl+Fuchs srl, Via Galileo Galilei 1/B, 1-20875 Burago (MB), Italy

Pepperl+Fuchs (Manufacturing) Pte Ltd, P+F Building, 18 Ayer rajah Crescent, Singapore 139942

Pepperl+Fuchs (Australia) Pty Ltd, 131-149 Link Drive, Campbellfield, Victoria, 3061, Australia

Variation 1 - This variation introduced the following change:

- i. The Applicants name and address was changed from Govan Industries Pty Ltd, 131-149 Link Drive, Campbellfield, Victoria, 3061, Australia to that currently shown in Sections 5 and 6 above.
- ii. The introduction of alternative Pepperl+Fuchs manufacturing locations, which are listed above.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

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Sira Certification Service

Rake Lane, Eccleston, Chester, CH4 9JN, England

Tel: +44 (0) 1244 670900

Fax: +44 (0) 1244 681330

Email: info@siracertification.com

Web: www.siracertification.com



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Sira 07ATEX1132X
Issue 1

14.2 Associated Sira Reports and Certificate History

| Issue | Date | Report No. | Comment |
|-------|-----------------|------------|---------------------------------------|
| 0 | 02 October 2007 | R51A16570B | The release of the prime certificate. |
| 1 | 10 July 2013 | R30253A/00 | The introduction of Variation 1. |

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

- 15.1 The maximum constructional gap (i_c) is less than that required by Table 1 of IEC 60079-1 as detailed below:

| Flamepath | Max Gap (mm) | Comment |
|---|--------------|---------|
| Body/Cover - Spigot | 0.11 | |
| Module/Cover – Spigot | 0.13 | |
| Spindle Bush/Spindle (roller plunger) – Cylindrical | 0.13 | |
| Spindle Bush/Spindle (standard plunger) – Cylindrical | 0.12 | |

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.

Certificate Annexe

Certificate Number: Sira 07ATEX1132X
Equipment: FW Range of Junction Boxes, Control,
Indicator, Alarm & Limit Switch Stations
Applicant: Pepperl+Fuchs GmbH
(incorporating the Govan brand)



Issue 0

| Drawing No: | Sheets | Rev. | Date (Sira Stamp) | Description |
|-------------|--------|------|-------------------|--|
| C2031 | 1 of 2 | 4 | 29 Aug 07 | Ex d IIB T6 IP66 Junction Box & Module Enc. |
| C2031 | 2 of 2 | 3 | 29 Aug 07 | Ex d IIB T6 IP66 Junction Box & Module Enc. |
| C2353 | 1 of 1 | 2 | 29 Aug 07 | Ex d IIB T6 IP66 Limit Switch |
| C1510 | 1 of 1 | 2 | 29 Aug 07 | Ex d IIB T6 IP66 Break Glass Alarm |
| C0774 | 1 of 1 | 9 | 29 Aug 07 | Module Range for Ex d IIB T6 IP66 Enclosures |

Issue 1

| Drawing No. | Sheets | Rev. | Date (Sira Stamp) | Description |
|-------------|--------|------|-------------------|--|
| GC 0651 | 1 to 2 | 0 | 07 Mar 13 | Compliance Name Plate detail for company name change |

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