



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 07ATEX1134** Issue: **4**

4 Equipment: **F7 Range of Junction Boxes, Control Stations & Specialised Equipment**

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

6 Address: **LilienthalsraÙe 200
68307 Mannheim
Germany** These products may only be manufactured at any Pepperl+Fuchs, Facility that has been audited for the manufacture of the type of protection defined on this certificate; in addition, the site must also be listed on the Quality Assessment Notification PTB 16 ATEX Q001, PTB 97 ATEX Q008 and PTB 97ATEX Q020 or their subsequent issues.

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., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 61241-0:2006 EN 61241-1:2004

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 EU-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 IP 66



II 2 D
Ex tD A21 T80°C IP 66

Ta -20°C to +40°C or Ta -20°C to +55°C or Ta -20°C to +60°C

Power dissipation is marked dependant on ambient temperature assigned, as detailed in Variation 1.

Project Number 1026

Signed:

Title: Director of Operations

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



SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

The F7 Range of Junction Boxes, Control Stations and Specialised Equipment are single body enclosures and are constructed from cast aluminium alloy, stainless steel or cast iron. The enclosures comprise of a cast body fitted with a bolted cover.

The enclosures are fitted with O-rings for the prevention of water and dust ingress to a rating of IP 66 and are suitable for use in gas and Zone A21 and A22 atmospheres.

The total power dissipation permissible for each configuration is 59 W.

Threaded metric or NPT entries are provided in the enclosure walls for fitting separately certified cable glands and fittings.

The F7 range may be supplied in any of the following configurations:

Type ref.	Description
F7-JB	Junction box. Shallow or deep plain cover. Contains terminals, relays, timers, contactors, motor starters, transformers, isolation barriers, PLC
F7-CP	Control panel. Contains up to seven separately certified Govan Modules such as terminals, relays, timers, contactors and motor starters within the cover
F7-A1	Instrument control panel. A1 window cover. Contains two or three separately certified Govan Modules such as meters, display components and control switches.
F7-A2	Instrument control panel. A2 window cover. Contains instruments or process control equipments.
F7-CB	Circuit Breaker Enclosure. Contains up to two circuit breakers within the cover
F7-PS	Pressure Switch Enclosure. Contains up to two pressure sensing devices for air, water or oil operation
F7-A2D	Instrument enclosure. Has a cover fitted with a window and spacer and contains instruments for process control equipment.

The enclosures may be fitted with an extension spacer and/or any of the following Govan Modules:

- MN-1, 2, 3, 4, 5 & 8 – Push button module for Group IIB applications
- MN-6 – Push button module (pad lockable) for Group IIB applications
- MN-9 – Indicator light module (andescent type) for Group IIB applications
- MN-11 – Indicator light module (LED transformer type) for Group IIB applications
- SM-10 – 10 Amp to 20 Amp switch module for Group IIB applications
- SM – 20 to 63 Amp – Switch module for Group IIB applications



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Variation 1 - This variation introduced the following changes:

- i. Alternative maximum ambient temperature limits were recognised, the table below details the actual values and specifies the allowable maximum power dissipation applicable to each temperature range.

Ambient temp. range	Max. power dissipation	Temperature class	Max. surface temp.
-20°C to +40°C	59 W	T6	T80°C
-20°C to +55°C	39 W	T6	T80°C
-20°C to +60°C	31 W	T6	T80°C

- ii. Cast 304 stainless steel was allowed to be used as an alternative material of manufacture.
- iii. The Description of Equipment was modified to recognise the retrospective inclusion of the Type F7-A2D Instrument enclosure; this had been assessed previously but was omitted in error from the list of type references.
- iv. The certificate marking was amended to indicate that the relevant information for gas and dust are shown on separate labels.

Variation 2 - 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.

Variation 3 - This variation introduced the following change:

- i. The Notified Body number, responsible for quality, was changed to 0102.
- ii. The alternative manufacturing locations were removed from the description as they are now covered by the statement in section 6 of the certificate.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	25 September 2007	R51A16570D	The release of the prime certificate.
1	22 August 2012	R22233A/00	The introduction of Variation 1.
2	10 July 2013	R30253A/00	The introduction of Variation 2.
3	01 February 2017	R70089891A	This Issue covers the following changes: <ul style="list-style-type: none"> • EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. (In accordance with Article 41 of Directive 2014/34/EU, EC 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 EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.) • The introduction of Variation 3.



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Issue	Date	Report number	Comment
4	15th October 2019	1026	<ul style="list-style-type: none">Transfer of certificate Sira 07ATEX1134 from Sira Certification Service to CSA Group Netherlands B.V..

15 **SPECIFIC CONDITIONS OF 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.



Certificate Annexe



Certificate Number: Sira 07ATEX1134

Equipment: F7 Range of Junction Boxes, Control Stations & Specialised Equipment

Applicant: Pepperl+Fuchs GmbH (orporating the Govan brand)

Issue 0

Drawing no:	Sheets	Rev.	Date (Sira Stamp)	Description
C0774	1 of 1	9	29 Aug 07	Govan Module range
C3565	1 to 2	7	06 Sep 07	F7 Junction Box & Control Panel
C3566	1 to 6*	4	06 Sep 07	F7 Junction box enclosure
C3570	1 of 1	5	06 Sep 07	Ammeter arrangement F7-A2
C3573	1 of 1	5	06 Sept07	Detail pf Spacer F7-A2D
C3580	1 of 1	5	06 Sep 07	Pressure Switch assembly F7-PS
C3622	1 to 2	5	06 Sep 07	Circuit breaker F7-CB4
C4934	1 to 2	7	06 Sep 07	F7 junction box & control panel & modules

* Sheet 4 of 6 hand amended by Sira 01 October 2007

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
C3565	1 of 2	8	03 Aug 12	F7 junction box & control panel instrument enclosure
C3570	1 of 1	6	03 Aug 12	Ammeter arrangement F7-A2
C3573	1 of 1	6	03 Aug 12	Detail pf Spacer F7-A2D
C3580	1 of 1	6	03 Aug 12	Pressure Switch assembly F7-PS
C3622	1 of 2	6	03 Aug 12	Circuit breaker F7-CB4
C4934	1 to 2	8	03 Aug 12	F7 junction box & control panel & modules

Issue 2

Drawing	Sheets	Rev.	Date (Sira Stamp)	Description
GC 0654	1 to 2	0	10 Jul 13	Compliance Name Plate detail for company name change

Issue 3 No new drawings were introduced

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