



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 13ATEX2388X** Issue: **1**

4 Equipment: **Termination board, model HiDTB04 - ***

5 Applicant: **Pepperl + Fuchs GmbH** **Pepperl+Fuchs (Manufacturing) PTE LTD**

6 Address: Lilienthalstrasse 200 P+F Building
68307 Mannheim 18 Ayer Rajah Crescent
Germany 139942 Singapore

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 60079-0:2012

EN 60079-11:2012

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:

Not applicable, see special conditions of safe use clause 15.1

Project Number 1986

Signed: 

Title: Director of Operations

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



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 13ATEX2388X
Issue 1

13 DESCRIPTION OF EQUIPMENT

The termination board, model HiDTB04 - * is intended to be located in a non hazardous (safe) area. It is a passive device meant to interface with up to four, separately certified, pieces of I.S. associated apparatus (barrier modules) with certified equipment placed in a hazardous area.

The HiDTB04 - * termination board consists of a printed circuit board assembly within a plastic chassis that provides an ingress protection level of IP 20 where necessary. The non-I.S. parts of the HiDTB04 - * are not controlled within this certification as the input is always assumed to be 250 V (mains voltage) and therefore, this section of the PCB is allowed to be modified as required by the manufacturer. The I.S. portion of the device is controlled as it contains the various critical terminal blocks, plug-in connections and traces that have been assessed within this certification.

The asterisk (*) in the model code for the HiDTB04 - * represents design specifications with respect to the non-I.S. side of the device. Only the third character in the asterisk (*) is controlled and shall be limited to 'SC', 'CC' or 'SP'.

HiDTB04 - *



The * includes following positions (each separated with a dash):

Position 1: Type of control system. Non influential on the type of protection.

Position 2: Type and number of connectors on the safe side of the board. Non influential on the type of protection.

Position 3: Type of terminals on the hazardous side of the board. Intrinsic safety relevant.
- **SC** (screw terminal)
- **CC** or **SP** (cage clamp terminal)

Position 4: Fault monitoring on the safe side of the board. Non influential on the type of protection.

Position 5: Signal type, signal direction and number of channels on the safe side of the board. Non influential on the type of protection

Further positions could follow. Non influential on type of protection.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	17 December 2013	R32635A/00	The release of the prime certificate.

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1	15th October 2019	1986	<ul style="list-style-type: none">• Transfer of certificate Sira 13ATEX2388X from Sira Certification Service to CSA Group Netherlands B.V..• EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(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.)</i>
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15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)

15.1 The HiDTB04 - * termination board is a piece of passive equipment and as such bears no marking that appertains to its use in conjunction with equipment in the hazardous area, however, it is intended to be fitted with a maximum of four pieces of associated apparatus and it is the marking of these products that determines the ultimate application of the HiDTB04 - * Termination Board.

15.2 The pieces of associated apparatus that are used in this equipment shall be manufactured by Pepperl+Fuchs GmbH, suitable for the application and certified by a notified body. The user/installer shall also ensure that they are fitted in accordance with EN 60079-11 as advised by the manufacturer, additionally, they shall have a maximum Um of 250 Vrms and a maximum Uo of 30 Vdc.

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 13ATEX2388X

Equipment: Termination board, model HiDTB04 - *

Applicant: Pepperl + Fuchs GmbH

Issue 0

Drawing no.	Sheets	Manufacturer's Date	Date (Sira stamp)	Title
16-0987 IE	1 of 1	09-Dec-13	11-Dec-13	Summary of Drawings
16-0987CS-00	1 to 8	09-Dec-13	11-Dec-13	Description, Calculations
16-0987CS-01	1 to 2	15-Mar-13	11-Dec-13	Schematics
16-0987CS-02	1 of 1	03-May-13	11-Dec-13	Critical components
16-0987CS-03	1 of 1	15-Mar-13	11-Dec-13	Component layout
16-0987CS-04	1 to 3	15-Mar-13	11-Dec-13	General assembly / Mechanical layout
16-0987CS-05	1 to 4	15-Mar-13	11-Dec-13	PCB trace layout
16-0987CS-09	1 to 2	09-Dec-13	11-Dec-13	Instructions
16-0987IE-10	1 of 1	09-Dec-13	11-Dec-13	Label drawing

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