1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 06ATEX3285X** Issue: **6**

4 Equipment: **TEX & TES****** Range of Junction Boxes**

5 Applicant: **Tempa Pano**

6 Address: Makine İhtisas Organize Sanayi Bölgesi,
2.Cad.,No:1 Demirciler Köyü
Dilovası KOCAELİ 41455
Turkey

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 IEC 60079-7:2015 EN 60079-11:2012 EN 60079-31:2014

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 D
Ex eb IIC T6 Gb (Tamb –40°C to +40°C)
Ex tb IIIC T57°C Db (Tamb= –40°C to +40°C)
or
Ex eb IIC T5 Gb (Tamb –40°C to +55°C)
Ex tb T72°C Db (Tamb= –40°C to +55°C)

II 1 G
Ex ia IIC T6 Ga (Tamb –40°C to +40°C)
or
Ex ia IIC T5 Ga (Tamb –40°C to +55°C)

Note: -20°C to be marked when fitted with terminals with a -20°C limiting temperature.

Project Number 1477

Signed:

Title: Director of Operations

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

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 06ATEX3285X**
Issue 6

13 **DESCRIPTION OF EQUIPMENT**

The TES****** range of enclosure boxes are manufactured in mild or stainless steel and comprise of an enclosure with a separate lipped lid. The lid has a closed cell, flat EPDM gasket seal that presses on to a lipped edge on the base of the enclosure, with access points for fixing lugs to secure the enclosure to the mounting surface.

The TEX****** range of enclosure boxes are manufactured in mild or stainless steel and comprise of an enclosure with a hinged lid. The lid has a closed cell poured polyurethane gasket seal that presses on to a raised edge on the base of the enclosure to aid sealing. Four fixing lugs are provided to secure the enclosure to the mounting surface.

Enclosure sizes

Type	Width (mm)	Height (mm)	Depth (mm)
TES121208	120	120	80
TES151509	150	150	90
TES191910	190	190	100
TEX152213	150	220	130
TEX262616	260	260	160
TEX262620	260	260	200
TEX303016	300	300	160
TEX303020	300	300	200
TEX263816	260	380	160
TEX263820	260	380	200
TEX384516	380	450	160
TEX384520	380	450	200
TEX484816	480	480	160
TEX484820	480	480	200
TEX355016	350	500	160
TEX355020	350	500	200
TEX456216	450	620	160
TEX456220	450	620	200
TEX745520	740	550	200
TEX507620	500	760	200
TEX648620	640	860	200
TEX619120	610	910	200
TEX749820	740	980	200

The enclosures are fitted with combinations of suitably certified terminals to mounting rails fixed to the rear panel. If Weidmüller WDU 1.5, WDU 2.5 or SAK 2.5 type of terminals are fitted, they are limited to a maximum current of 15 A. The maximum power that may be dissipated inside the enclosures is calculated according to the maximum dissipated power method described in IEC 60079-7:2015 Annex E, E.2. The junction boxes are fitted with a gland plate on the enclosure base.

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 06ATEX3285X**
Issue 6

Maximum power dissipation (W) The following power ratings apply:

Type	T6, maximum Ta = 40°C	T5, maximum Ta = 55°C
TES121208	3.0	3.0
TES151509	6.0	6.0
TES191910	8.0	8.0
TEX152213	11.0	11.0
TEX262616	30.0	30.0
TEX262620	33.0	33.0
TEX303016	39.0	39.0
TEX303020	39.1	39.1
TEX263816	39.2	39.2
TEX263820	39.3	39.3
TEX384516	40.0	40.0
TEX384520	40.1	40.1
TEX484816	40.7	40.7
TEX484820	40.8	40.8
TEX355016	40.2	40.2
TEX355020	40.3	40.3
TEX456216	41.6	41.6
TEX456220	42.1	42.1
TEX745520	65.0	65.0
TEX507620	64.2	64.2
TEX648620	72.0	72.0
TEX619120	73.0	73.0
TEX749820	89.0	89.0

Variation 1 - This variation introduced the following change:

i. The recognition that the TEX & TES****** Range of junction boxes may be manufactured with up to 4 gland plates.

Variation 2 - This variation introduced the following change:

i. The company address was changed:

From:
Baris Mah.1802 Sk.No:7 Gebze
KOCAELİ
41400
Turkey

To:
Makine İhtisas Organize Sanayi Bölgesi,
2.Cad.,No:1 Demirciler Köyü
Dilovası KOCAELİ 41455
Turkey

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 06ATEX3285X**
Issue 6

Variation 3 - This variation introduced the following change:

i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2006, EN 60079-7:2003, EN 60079-11:2007 (used for reference), EN 61241-0:2006 and EN 61241-1:2004 were replaced by EN 60079-0:2012, IEC 60079-7:2015, EN 60079-11:2012 and EN 60079-31:2014, as a result:
   - The markings were updated.
   - The Conditions of Manufacture were reviewed/revised (this involved changing the way that terminals are selected).
   - A Special Condition for Safe was introduced consequently an 'X' suffix was added to the certificate number.
   - The new, reased safety standard was recognised in the description.

ii. The tables in the description were changed to recognise new references, as detailed below:

Original	New
TEX221513	TEX152213
TEX382616	TEX263816
TEX382620	TEX263820
TEX453816	TEX384516
TEX453820	TEX384520
TEX503516	TEX355016
TEX503520	TEX355020
TEX624516	TEX456216
TEX624520	TEX456220
TEX765020	TEX507620
TEX866420	TEX648620
TEX916120	TEX619120
TEX987420	TEX749820

iii. The product description was amended to include mild or stainless steel for the material of the TES****** range of enclosure boxes. The enclosure dimension 'length' was changed to 'height' in the Enclosure sizes table.

CSA Group Netherlands B.V.
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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	14 February 2008	R51A15478A	The release of the prime certificate.
1	21 April 2008	N/A	A typographical error was corrected and the use of standards was clarified.
2	22 May 2008	R51A15478B	The description was corrected to include stainless steel.
3	09 November 2010	R22059A/00	The introduction of Variation 1.
4	24 July 2013	R31511A/00	The introduction of Variation 2.
5	30 November 2015	R70027382A	The introduction of Variation 3.
6	15th October 2019	1477	• Transfer of certificate Sira 06ATEX3285X from Sira Certification Service to CSA Group Netherlands B.V.. • Update to label drawing. • 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.)*

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

15.1 Special Conditions for Safe Use may apply to the terminals fitted in these junction boxes, the user/installer shall therefore comply with any conditions that have been identified by Tempa Pano.

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.

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Certificate Annexe

Certificate Number: **Sira 06ATEX3285X**

Equipment: **TEX & TES****** Range of Junction Boxes**

Applicant: **Tempa Pano**

Issues 0 to 2

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Description
PNTES121208-001	1 of 1	00	01 Nov 07	General arrangement – TES121208-S
PNTES151509-001	1 of 1	00	01 Nov 07	General arrangement – TES151509-S
PNTES191910-001	1 of 1	00	01 Nov 07	General arrangement – TES121208-S
PNTEX303016-001	1 of 1	00	01 Nov 07	General arrangement – TEX303016-M1
PNTEX303016-002	1 of 1	00	01 Nov 07	General arrangement – TEX303016-S1
LBL TEX 002	1 of 1	02	01 Nov 07	Label - Terminal box enclosure

Issue 3

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Description
PNTEX456220-003	1 of 1	00	15 Oct 10	TEX456220-S2 Ex-Proof Enclosure
PNTEX456220-004	1 of 1	00	15 Oct 10	TEX456220-S3 Ex-Proof Enclosure
PNTEX456220-005	1 of 1	00	15 Oct 10	TEX456220-S4 Ex-Proof Enclosure

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
LBL TEX 002	1 of 1	03	24 Jul 13	TEX/TES Enclosure Label

Issue 5

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
PNTES121208-001	1 of 1	01	06 Nov 15	General arrangement-TES121208-S
TESTEXTERMINALS_001	1 of 1	01	06 Nov 15	List of approved Ex e Terminals
LBL ATEX/IECEx 002	1 of 1	00	18 Oct 15	Label drawing

Issue 6

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
LBL ATEX/IECEx 002	1 of 1	01	21 Feb 2019	TEX/TES Enclosure Label

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