



EC TYPE-EXAMINATION CERTIFICATE

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

Certificate Number: **Sira 06ATEX3286U** Issue: **5**

Component: **TEX & TES***** Range of Enclosures**

Applicant: **Tempa Pano**

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

This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component 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.

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 60079-31:2014

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

This EC type-examination certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

The marking of the component shall include the following:



II 2 G D
Ex eb IIC Gb
Ex tb IIIC Db



Project Number 70027382

C Ellaby
Deputy Certification Manager

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Sira Certification Service
Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom



SCHEDULE

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13 DESCRIPTION OF COMPONENT

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

Variation 1 - This variation introduced the following change:

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

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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

Variation 3 - This variation introduced the following changes:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2006, EN 60079-7:2003, EN 61241-0:2006 and EN 61241-1:2004 were replaced by EN 60079-0:2012, IEC 60079-7:2015 and EN 60079-31:2014, as a result, the markings were updated accordingly.
- ii. A Condition of Certification was introduced to permit the manufacturer to manufacture enclosures to sizes not specified in the documentation.
- iii. The existing Special Condition for Safe Use was clarified.
- iv. The table in the description was 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

- v. 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.



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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.
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	23 July 2013	R31511A/00	The introduction of Variation 2.
5	30 November 2015	R70027382A	The introduction of Variation 3.

15 SPECIAL CONDITIONS FOR SAFE USE

15.1 The enclosure gasket is suitable for a service temperature range of -40°C to +100°C.

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.

17.3 The enclosures may also be manufactured to sizes not specified in the documentation provided that any given dimension is not larger than the respective dimension of the largest enclosure or smaller than the respective dimension of the smallest enclosure.

Certificate Annexe



Certificate Number: Sira 06ATEX3286U
Component: TEX/TES ***** Enclosures
Applicant: Tempa Pano

Issues 0 to 2

Drawing	Sheet	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 001	1 of 1	02	01 Nov 07	Label - Empty enclosure

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
PNTEX456220-003	1 of 1	00	15 Oct 2010	TEX456220-S2 Ex-Proof Enclosure
PNTEX456220-004	1 of 1	00	15 Oct 2010	TEX456220-S3 Ex-Proof Enclosure
PNTEX456220-005	1 of 1	00	15 Oct 2010	TEX456220-S4 Ex-Proof Enclosure

Issue 4

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
LBL TEX 001	1 of 1	03	23 Jul 13	TEX/TES Enclosure Label

Issue 5

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
PNTEX303016-002	1 of 1	01	06 Nov 15	General arrangement-TEX303016-S1
LBL ATEX/IECEx 001	1 of 1	00	10 Nov 15	Label drawing

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