



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx SIR 15.0057U** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 1 Issue 0 (2015-12-01)  
Date of Issue: 2024-11-04  
Applicant: **Tempa Pano San.ve Tic. A.S.**  
Makine İhtisas Organize Sanayi  
Bölgesi, 2.Cad.,No:1  
Demirciler Köyü, Dilovası  
KOCAELİ  
Turkey  
**Türkiye**  
Ex Component: **TEX & TES\*\*\*\*\* Range of Enclosures**  
*This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).*  
Type of Protection: **Increased Safety "eb" and Dust Protection by Enclosure "tb"**  
Marking: Ex eb IIC Gb  
Ex tb IIIC Db

Approved for issue on behalf of the IECEx  
Certification Body:

**Michelle Halliwell**

Position:

**Senior Director of Operations**

Signature:  
(for printed version)

Date:  
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**CSA Group Testing UK Ltd**  
Unit 6, Hawarden Industrial Park  
Hawarden, Deeside CH5 3US  
United Kingdom





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Date of issue: 2024-11-04

Issue No: 1

Manufacturer: **Tempa Pano San.ve Tic. A.S.**  
Makine İhtisas Organize Sanayi  
Bölgesi, 2.Cad.,No:1  
Demirciler Köyü, Dilovasi  
KOCAELİ  
Turkey  
**Türkiye**

Manufacturing locations: **Tempa Pano San.ve Tic. A.S.**  
Makine İhtisas Organize Sanayi  
Bölgesi, 2.Cad.,No:1  
Demirciler Köyü, Dilovasi  
KOCAELİ  
Turkey  
**Türkiye**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

**GB/SIR/ExTR15.0308/00**

**GB/SIR/ExTR24.0118/00**

Quality Assessment Report:

**GB/SIR/QAR15.0005/05**



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**Ex Component(s) covered by this certificate is described below:**

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 poured polyurethane Foam 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.

For range of Enclosure sizes, see Certificate Annexe.

**Conditions of Manufacture**

The Manufacturer shall comply with the following:

1. 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.

**SCHEDULE OF LIMITATIONS:**

The user/installer shall comply with the following:

1. The service temperature range:
  - a). For TES Enclosure -40°C to +100°C.
  - b). For TEX Enclosure -40°C to +70°C.



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

**Issue 1** – this Issue introduced the following changes:

1. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0: 2011 Ed. 6 was replaced by IEC 60079-0: 2017 Ed. 7 and IEC 60079-7: 2015 Ed. 5 was replaced by IEC 60079-7:2015+ AMD1: 2017 Ed 5.1.
2. The documents were updated accordingly to recognize the new standard.
3. Adhesive tape for EPDM gasket is replaced with new scrim transfer tape.
4. Gasket for TEX enclosure is replaced with RAKU PUR 32-3294-2.
5. Service temperature for the TEX enclosure is changed from -40°C to +100°C to -40°C to +70°C.
6. Updated Manufacturer name as per QAR.

## **Annex:**

[IECEx SIR 15 0057U Annexe Issue 1.pdf](#)

**Annexe to:** IECEx SIR 15.0057U Issue 1

**Applicant:** Tempa Pano San.ve Tic. A.S.

**Apparatus:** TEX & TES\*\*\*\*\* Range of Enclosures



## 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        |