Certificate No: **2512290744528034**
TL Project No: **25-3643**

TYPE APPROVAL CERTIFICATE

This is to certify that the

MARINE TYPE SWITCHBOARDS AND CONCOLES

Manufacturer	:	**TEMPA PANO SANAYİ VE TİCARET ANONİM ŞİRKETİ**
Address	:	**Makine İhtisas OSB. Demirciler Mahallesi 2. Cadde No:1 / 41455**
Product Type	:	**AS, BS, GS, EC, MS, BSE, EKO, ETS, HDS, BK, KB, TB, JB, PT, PY "Desk Type"**
Reference Rule	:	**TL Rules, Part E, Chapter 105 - Naval Ship Technology, Electrical Installations, 01.01.2022** **TL Rules, Part B, Chapter 5, Electric , 01.01.2024** **IEC 60529 Degrees of protection provided by enclosures (IP code) (For electrical equipments) , 04.03.1997** **IACS UR E10 Rev.9 , 09.08.2023** **IEC 62208:2023 Empty enclosures for low-voltage switchgear and controlgear assemblies, 01.06.2023**

Subject to the conditions referred to in the following pages, this certificate is valid until **16.10.2030**

Surveyor: **İbrahim Evren DAL**

Issued at **İstanbul** on **26.01.2026**

This document is electronically signed and does not require a manual signature

Click here for the verification website

Emrah SÖĞÜTÇÜ
New Building Division Manager
TÜRK LOYDU

Expire Date of Previous Certificate: 16.10.2025

For Information Only

This certificate is subject to terms and conditions described below:
Any significant change in design or construction may render this Certificate invalid. Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.

Product	**: MARINE TYPE SWITCHBOARDS AND CONCOLES**
Approval No / Date	**: PAE-EPAS/023591/25-3643/MY , 14.01.2026**
Ingress protection (IP) rating	**: Ingress protection from IP44 to IP66 according to IEC 60529**
Documentation	**: Approved drawings, TSE test reports (Report Number: İST/2018-R00473, İST/2015-R287, İST/2015-R289, İST/2015-R288), TESTLA test report (AB-0386-T) and reviewed documents.**
Performed Tests	**: Quality Audit** **Dimension check**
Test Place	**: Tempa Pano Dilovası-Kocaeli**
Last Inspection Date	**: 23.01.2025**
Application/Limitation	**: Not applicable for hazardous areas required explosion protection.**
Approval Conditions	**: When using type-approved switchgear panels/consoles, the IP rating in accordance with TL regulations must be taken into account. Where necessary, doors must be equipped with open-position holding devices. For floor-mounted switchgear panels and consoles, insulated handles must be fitted in accordance with TL regulations. After cabling and equipment installation are complete, mandatory routine workshop tests must be performed for each switchgear panel/console.**

For Information Only