Certificate No: LR2528752TA
Issue Date: 19/05/2025
Expiry Date: 18/05/2030

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**PULS GmbH**
Address	6 Elektrastrasse, München, 81925, Germany
Place of Production	PULS Investicni S. R. O. Pražská 5639, Chomutov, 430 01, Czech Republic
Type	Power Distribution Systems & Power Supplies
Description	Industrial grade DC power supply
Trade Name	CP20.245-R2, CP20.241-R2-73 and CP20.241-R2-72
Application	Marine and offshore applications for use in environmental categories ENV1,ENV2, ENV3 and ENV4 (type CP20.241-R2-72) as defined in Lloyd's Register Type Approval System, Test Specification Number 1, March 2019.
Specified Standard	IACS unified requirements E10 (Rev.9 Aug 2023) Manufacturer's specification
Ratings	Input: 100-240 VAC Output: 24 DC, 20 A, 480W

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Thorsten Wolff

Electrical & Control - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

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Additional Tests Low temperature (-40°C/16h)

Other Conditions Derating factors for use in ambient temperatures above 45°C are to be obtained from the manufacturer's specification.
Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2001711TA

The Design Appraisal Document TSO-25-028031/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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