

# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAA00002HU**  
Revision No:  
**1**

**This is to certify:**  
**that the DC Power Supply**

with type designation(s)  
**RPS 30, RPS 80 , RPS 120 DIN-Rail Power Supplies**

issued to  
**Hirschmann Automation and Control GmbH**  
**Neckartenzlingen, Baden-Württemberg, Germany**

is found to comply with  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application:

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

### Location classes:

Temperature	B*/D
Humidity	B
Vibration	A
EMC	A
Enclosure	A

\* see Application/Limitation

Issued at **Hamburg** on **2024-11-29**

This Certificate is valid until **2029-10-29**.

DNV local unit: **Augsburg**

Approval Engineer: **Heinz Scheffler**



for **DNV**

Digitally signed by: Dariusz Lesniewski  
Location: DNV SE, Germany

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

## Product description

### DIN Rail Power Supply RPS Series RPS30

- Input: 100 - 240V AC; Frequency: 47 - 63Hz
- Output: 24 - 28V DC, 1.3 A, 30W

### RPS 80 EEC

- Input: 100 - 240V AC
- Output: 24 - 28V DC, 80W

### RPS 120 EEC

- Input: 100 - 240V AC
- Output: 24 - 28V DC, 120W

## Application/Limitation

**Location class Temperature B:** RPS 80 EEC and RPS 120 EEC

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV Rules for Ships Pt.4 Ch.9 Control and Monitoring Systems.

### Product certificate

If specified in the Rules, ref. Pt.4 Ch.9 Sec.1, the control and monitoring system in which the above listed hardware is used shall be delivered with a product certificate. For each such delivery the certification test is to be performed at the manufacturer of the application system before the system is shipped to the yard

Derating of output power due to mounting position and ambient temperature may apply. Manufacturers specification is to be observed.

## Type Approval documentation

Test Report and Documents: Documents & Test Report List Rev. 2 dated 2025-04-25

## Tests carried out

Applicable tests according to DNV CG-0339, August 2021.

## Marking of product

The products to be marked with:

- manufacturer name,
- model type,
- serial number,
- power supply ratings.

## Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3,5 years and at renewal of this certificate.

END OF CERTIFICATE