



TYPE APPROVAL CERTIFICATE

Polish Register of Shipping certifies that the undernoted product type

MODULAR NAVIGATION LIGHTS CONTROLLER

AHD-DPS02

manufactured by
Böning Automationstechnologie GmbH & Co. KG
Am Steenöver 4
27777 Ganderkesee
Germany

is approved as complying with the requirements of the

PRS Rules and is suitable for use on board of ships classified by PRS or in appliances with PRS certificates.

Certificate No. **TE/1002/883124/21**

Expiry date **2026-01-25**

Issued at

Gdańsk, 2021-01-26



C/020/54

[Signature]
Signature

Polski Rejestr Statków S.A.
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Continued overleaf

Technical data

Product description/purpose: controller which supervises operation of navigation lights.

Modules/components:

- AHD-DPS02 G14 * - basic module;
- AHD-DPS02 A07 - extension module;
- AHD-DPS02 BS - operation and indicating module;
- A250 - main selector switch;
- AHD-DPS02 E07, AHD-DPS02 E14 - emergency switch units.
- * AHD-DPS 02 GC (modbus module) is a part of G14.

Supply rated voltage: 24V d.c. / 115 V a.c. / 230 V a.c.

Enclosure protection degree:

- Operation and Indicating module IP22;
- Other components IP20.

Software Versions:

- AHD-DPS02 G14: V 3.49
- AHD-DPS02 A07: V 15.0
- AHD-DPS02 BS: V 3.0.

Basis of approval

1. The technical documentation approved by PRS on 2021-01-22.
2. Inspections of the production process and quality control system carried out on 2021-01-12.
3. Tests carried out in PRS Surveyor presence on 2021-01-12.
4. The Quality Management System Certificate (ISO9001) No. 159231-2014-AQ-GER-DAkKS.
5. Reports from environmental and EMC tests carried out acc. to PRS Publication 11/P Ed. 01.2020.
6. PRS Survey Report No. TM/PU/1/21 issued on 2021-01-12.
7. The previous PRS Type Approval Certificate No. TE/2074/883124/16.

Additional conditions and remarks:

1. Operation and indicating module is to be provided with view of the Ship (navigation lights lay-out).
2. For Naval Ships (OKM symbol of class) relevant additional documents are to be presented for PRS Head Office review for each application.
3. Each product is to be marked with: manufacturer name, type, serial number, basic technical data, compass safe distance.
4. The condition for maintain validity of this Certificate is to maintain validity of a.m. ISO9001 Certificate.
5. Distributor in Poland: Elecom-Mastertech Sp. z o. o., Inżynierska 41, 81-512 Gdynia.

Notes

- 1 The approval is valid only when the product is used in accordance with the manufacturer's conditions.
- 2 Changes of product design and materials which influence product quality are to be agreed with PRS.
- 3 Type Approval Certificate will be cancelled in the case of dissatisfactory service results, modifications made in the product structure or materials without PRS' consent, not advising PRS of the manufacturer's name change.

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