

UPS Imtech Bridge Guard

IBG-UPS 214-7-0-2

Publication type: UPS Imtech Bridge Guard

Publication number: ACC

Title: UPS Imtech Bridge Guard

Subject: BNWAS Type Approval

Issue: 214-7-0-2

Publication date: 13 August 2014

Total number of pages: 7

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Quality Control:

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References

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Introduction

If the standard power supply doesn't suffice for the mandatory settings as demanded in the MSC 128(75), it is possible to place a UPS as an optional backup for the power supply. This UPS will be powered by the ships batteries and only take over as the batteries of the ship are drained.

Abbreviations list

BNWAS	Bridge Navigational Watch Alarm System
UPS	Uninterruptible power supply

1. Phoenix UPS Battery

For the BNWAS we use the Phoenix Contact Quint UPS/24VDC/24VDC. This UPS is known for his high reliability. The UPS will be powered by the ships power supply which will run through the UPS. As soon as the power supply ceases the UPS will select the attached UPS battery to feed the BNWAS. As a power storage device we use the Quint-BAT/24DC/12AH



Figure 1-1: Phoenix Contact Quint BAT/24DC/12AH

Dimensions

Width	231 mm
Height	156 mm
Depth	110 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	0 °C ... 40 °C

Input data

Nominal input voltage	24 V DC
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Output data

Nominal output voltage	24 V DC
Output current	max. 50 A
Connection in parallel	Yes, for increasing the buffer period
Connection in series	No

Figure 1-2: Specifications