



Bundesrepublik Deutschland

Federal Republic of Germany

BSH-Cert

Benannte Stelle – Navigations- und Funkausrüstung
beim Bundesamt für Seeschifffahrt und Hydrographie

Notified Body – Navigation and Radiocommunication Equipment
at the Federal Maritime and Hydrographic Agency



NOTIFIED
BODY
0735

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

BSH-Cert, specified as a "notified body" under the terms of „Schiffssicherheitsgesetz“ of 09 September 1998 (BGBl. I, p. 2860) modified last 08 March 2012 (BGBl. I, p. 483), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation requirements of Marine Equipment Directive (MED) 96/98/EC and the last modification by Directive 2012/32/EU.

Manufacturer **Peters + Bey GmbH**
Address **Schnackenburgallee 151, 22525 Hamburg, GERMANY**

Applicant **Peters + Bey GmbH**
Address **Schnackenburgallee 151, 22525 Hamburg, GERMANY**

Annex A.1 Item (No & item designation) **6.1 Navigation lights**

Product Name **Typ 400 – Navigation light**

Trade Name(s) **Typ 400 – Navigation light**

Specified Standard(s)

Regulation COLREG 72, Annex I/14	EN 14744, 2005 incl Corr. 2006
IMO Resolution A.694(17)	IEC 60945 Ed.4.0, 2002 incl. Corr. 1,2008
IMO Resolution MSC.253(83)	IEC 61162 series
IMO Resolution MSC.191(79)	IEC 62288 Ed.1.0, 2008

Based on the Directive 2011/75/EU, additional applied version: Directive 2012/32/EU

This certificate remains valid unless cancelled, expired or revoked.

Date of Re-issue: **19 June 2013**

Issued by: **BSH-Cert**

Expiry date: **18 June 2018**

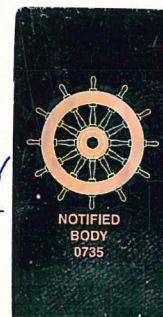
Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany
Notified body 0735

Certificate No.: **4581/001/6012448/13**

This certificate consists of 4 pages.



Karl-Heinz Warnstedt
Karl-Heinz Warnstedt



Navigation lights of the Serie Typ 400:

No.	Designation	Type designation	Part-No.	Range
1.	Starboard light, green, 112,5°	SSb 410 green	4011201	2 nm
2.	Port light, red, 112,5°	SBb 410 red	4021201	2 nm
3.	Masthead light, white, 225°	T 410 white	4031201	3 nm
4.	Sternlight, white, 135°	H 410 white	4041201	2 nm
5.	Bicolour Sidelight, red/green, 225°	TD 410 red/green	4051201	2 nm
6.	All-round light, white, 360°	A 431 white	4116100	2 nm
7.	All-round light, red, 360°	AS 431 red	4126100	2 nm
8.	All-round light, yellow, 360°	AS 431 yellow	4139200	2 nm
9.	All-round light, green, 360°	AS 431 green	4136100	2 nm
10.	Combined Stern – and Sidelight, red/white/green, 360°	AD 431 red/white/green	4060301	2 nm
11.	All-round light, white, 360°, prehoistable	A 400 white - prehoistable	4115400	2 nm
12.	All-round light, red, 360°, prehoistable	AS 400 red - prehoistable	4125400	2 nm
13.	All-round light, green, 360°, prehoistable	AS 400 green - prehoistable	4135400	2 nm

Optional component:

Navigation light controller (NLC) Type PB-NLCP-SA

Hardware components	Type designation	Software versions
Panel Computer	HD 13T21 PBC E1C-PABA	LightControl software version 1.0.0
Multiplexer	Magicplex8 GIC Pro	LightControl firmware version 2.3.4
Light control unit	PB-NLCP	

Software modifications:

Subsequent software versions may be allowed following written details of such versions have been submitted to and accepted by the responsible Notified Body.

Optional features:

The Navigation light controller (NLC) Type PB-NLCP-SA of the manufacturer Peters + Bey GmbH additionally complies with the requirements of "BSH-TPuZV für Schallsignalanlagen" and COLREG 72, Annex III/1 und III/3.

Notice on legal remedies available:

Objection to this document may be filed within one month after notification. The objection must be filed in writing to, or put on record at, Federal Maritime and Hydrographic Agency, Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany

Approval Documentation:

Type	Date of issue	Type aproval number	Type examination certificate number
SSb 400	31.07.2003	DHI 02/01/72	13454
SBb 400	31.07.2003	DHI 02/01/72	13455
H 400	31.07.2003	DHI 02/01/72	13456
T 400	31.07.2003	DHI 02/01/72	13457
TD 400	31.07.2003	DHI 02/01/72	13458
A 400	31.07.2003	DHI 02/02/72	13459
AS 400 green	31.07.2003	DHI 02/02/73	13460
AS 400 red	31.07.2003	DHI 02/02/73	13461
AS 400 yellow	05.05.2004	DHI 02/02/73	13463
AD 431	31.07.2003	DHI 02/03/74	13462

PB-NLCP-SA: Test Report BSH/46121/6012247/12-1
 Test Report BSH/46121/6012247/12-2
 Test Report BSH/46121/6012247/12-3
 Test Report BSH/46121/6012247/12-5
 Test Report BSH/46121/6012247/12-6
 ECDIS Test Report BSH/46121/0041342/09
 Test Report No. 52 050712
 Test Report No. 53 050712

Places of production:

Limitations on the acceptance or use of the product:

Electric navigation lights according to COLREG with the above ranges of visibility suitable for 12 V and 24 V operation

Electrical light sources complying with EN 14744, Annex A meet the requirements.

An incandescent lamp shall be legibly and permanently marked with an approval mark on the cap or on the bulb.

Notes:

The manufacturer shall inform BSH-Cert, as the notified body, of any modifications to the type-tested product(s) that may affect compliance with the requirements or conditions laid down for use of the product(s).

In case the specified regulations or standards are amended during the validity of this certificate, the product(s) must be re-certified before being placed on board vessels to which such amended regulations or standards apply.

The Mark of Conformity (wheelmark) may only be affixed to the type approved equipment, and a Manufacturer's Declaration of Conformity may only be issued, if the product quality system fully complies with the Marine Equipment Directive and is certified by a notified body against ANNEX B module D, E, or F of the Directive.

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