



中国船级社  
CHINA CLASSIFICATION SOCIETY

EC 型式检验 (模式 B) 证书  
EC TYPE EXAMINATION (MODULE B) CERTIFICATION

证书编号/Certificate No.: CCSG18MEDB017

兹证明:中国船级社(希腊)有限公司,作为希腊政府认定的指定机构(No. 2676),对下述列明产品进行了型式认可工作,认为满足欧盟船用设备法令(2014/90/EU)及其修正案的要求。

This is to certify that: CCS (Greece) Ltd., specified as Notified Body No. 2676 by Government of Greece, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirement of the DIRECTIVE 2014/90/EU on Marine Equipment and its amendments.

制造厂和地址/ **Manufacturer and Address**

海星海事电气集团有限公司

HAIXING MARITIME ELECTRIC GROUP

浙江省温州市永嘉县乌牛工业区

WUNIU INDUSTRIAL ZONE WENZHOU ZHEJIANG PROVINCE, China

授权代表和地址/ **Authorised Representative and Address (if applicable)**

SEACOTEC GmbH & Co. KG

Millerntorplatz 1 20359 Hamburg Germany

依据指令/**Directive Reference** MED Directive 2014/90/EU, Implementing Regulation (EU) 2019/1397

认可产品/**Product Approved**

白昼信号灯

Daylight signalling lamp

CXD8

MED 条款号/**MED Item No:** MED/4.52

证书有效期至/ **This Certificate is valid until** May 28, 2025

本地机构 中国船级社浙江分社

Local Office CCS Zhejiang Branch



NB No. 2676

签发日期 May 29, 2020

Date

当本证书包括多页纸张时,则所有证书页为一个整体,必须同时使用,每一页证书均须由本社盖章方为有效,本认可证书不代表本社对个体产品质量的检验。  
When the certificate consists of more than one page, all pages of the certificate are taken as a whole and are used simultaneously. No certificate page is valid without bearing the stamp of the Society. This approval certificate does not constitute the inspection of the Society about the quality of the unit/batch product.

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CCS Mansion, 9 Dongzhimen Nan Da Jie, Beijing 100007, China 网址/Web Site: http://www.ccs.org.cn  
指定机构/Notified Body 中国船级社(希腊)有限公司 CCS (Greece) Ltd. 电话/Tel: +30 210 4520065 传真/Fax: +30 210 4281420  
本地检验机构/CCS Local Office 中国船级社浙江分社 CCS Zhejiang Branch 电话/Tel: +86(574)87559301 传真/Fax: +86(574)87559302





**认可标准/Specified Standards**

1. SOLAS 74 Reg. V/18, V/19, X/3
2. IMO Res. A. 694(17)
3. IMO Res. MSC. 36(63)-(1994 HSC Code)
4. IMO Res. MSC. 95(72)
5. IMO Res. MSC. 97(73)-(2000 HSC Code)
6. IEC 60945:2002 incl. IEC 60945 Corr. 1: 2008
7. ISO 25861:2007

**产品明细/Product Description**

白昼信号灯/DAYLIGHT SIGNALLING LAMP

产品型号/Type :

CXD8

额定电压、光源功率/Rated Voltage, Power of

DC. 24V, 60W

Illuminant :

光源型式/Type of Luminaire :

LCY24-60C卤钨灯泡/HALOGEN-TUNGSTEN BULB

能见距离(白昼)/Visibility Distance (daylight) :

≥2 nm

发光强度/Luminous Intensity :

≥60,000 cd

外壳防护等级/Degree of Protection of

IP66

Enclosure :

磁罗经安全距离/Compass safe distance:

标准罗经安全距离Standard compasses safe distance: 85cm

操舵罗经安全距离Steering compasses safe distance: 45cm

配套蓄电池/Suitable Storage Battery :

便携式电池 | Portable Battery

型号 | Type: CXD8-DYX

输入电压 | Input Voltage:

AC110V~220V/(50/60Hz)

输出电压 | Output Voltage: DC.24V

蓄电池容量 | Battery Capacity: 6Ah

外壳防护等级 | Degree of

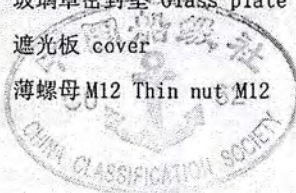
Protection of Enclosure: IP66

**图纸批准号/Approved drawings No.**

CCSG18MEDB017

**批准的图纸和设计计算书/Approved Drawings and Design Calculations**

BOM1	清单 1 list1
BOM2	清单 2 list2
BOM3	清单 3 list3
BOM4	清单 4 list4
CXD8-0	总装图 Component
CXD8-01-01	上盖 upper cover
CXD8-01-02	压紧螺钉 M6 Compression screw M6
CXD8-01-03	压紧螺钉 M12 Compression screw M12
CXD8-01-04	反光罩 Reflector
CXD8-01-05	碗形遮光罩 Bowl hood
CXD8-01-06	玻璃罩 Glass cover
CXD8-01-07	反光罩定位板 Reflector positioning board
CXD8-01-08	玻璃罩密封垫 Glass plate rubber mat
CXD8-01-09	遮光板 cover
CXD8-01-10	薄螺母 M12 Thin nut M12



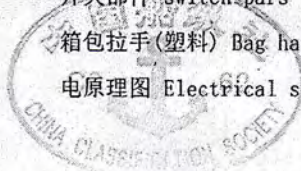


CXD8-01	上盖组件 upper cover component
CXD8-02	上盖密封垫 upper cover gasket
CXD8-03	壳体 body
CXD8-04	后盖密封垫 Back cover gasket
CXD8-05	后盖组件 Back cover Component
CXD8-05-01	后盖 Back cover
CXD8-05-02	开关标志符 switch identifier
CXD8-05-03	灯座定位柱 locating column of lamp holder
CXD8-05-04	灯座调节柱 adjustment column of lamp holder
CXD8-05-05	灯座安装座 installation pedestal of lamp holder
CXD8-05-06	开关定位座 locating pedestal of switch
CXD8-05-07	开关密封垫 sealing gasket of switch
CXD8-05-08	旋钮定位座 locating pedestal of rotary button
CXD8-05-09	调节旋钮 adjustable rotary button
CXD8-05-10	定位铜棒 locating rod
CXD8-05-11	后盖安装板 mounting plate of back cover
CXD8-05-12	陶瓷灯座 G6.35 ceramica lamp holder G6.35
CXD8-05-13	灯座铜件 lamp holder brass parts
CXD8-06	遮光筒 lens hood
CXD8-07	弹簧 spring
CXD8-08	转轴 4 spindle 4
CXD8-09	连杆 3 connecting rod 3
CXD8-10	转轴 3 Rotary shaft 3
CXD8-11	封堵 blockage
CXD8-12	连杆 2 connecting rod 2
CXD8-13	转轴 1 Rotary shaft 1
CXD8-14	连杆 1 connecting rod 1
CXD8-15	手柄红纸垫 red paper board for handle
CXD8-18	铭牌 Nameplate
CXD8-19	望远镜安装架 Telescope mounting rack
CXD8-20	滚花螺钉 knurled screw
CXD8-21	开关压板 Switch board
CXD8-22	开关密封套 Switch sealing set
CXD8-23	手柄右 handle(right)
CXD8-24	手柄左 handle(left)
CXD8-25	手柄进线板 handle terminal block
CXD8-26	密封垫 gasket
CXD8	产品说明书 product manual





QJ/HX0312-2011	通用技术条件 General technical conditions
CXD8-DYX-BOM1	清单 1 list1
CXD8-DYX-BOM2	清单 2 list2
CXD8-DYX-BOM3	清单 3 list3
CXD8-DYX-BOM4	清单 4 list4
CXD8-DYX-0	电源箱总装 General assembly drawing
CXD8-DYX-1	新壳体 Housing
CXD8-DYX-2	垫柱 Cushion column
CXD8-DYX-03-01	主板 main board
CXD8-DYX-03-2	电器固定板 Electrical fixing plate
CXD8-DYX-03	电器组件 Electrical components
CXD8-DYX-4	开关支柱 Switch fix plate
CXD8-DYX-05-1	开关连接板 Switch connector
CXD8-DYX-05-02、03	开关线扎 1、2、3、4 Switch wire tie 1,2,3,4
CXD8-DYX-05	开关组件 switch components
CXD8-DYX-06	四芯插座组件 Four core socket assembly
CXD8-DYX-07	三芯插座组件 Three-pin socket assembly
CXD8-DYX-8	铭牌 Nameplate
CXD8-DYX-9	电池垫板 Battery pad
CXD8-DYX-010	指示板 Indicator board
CXD8-DYX-11	灯罩 Lampshade
CXD8-DYX-12	灯罩密封垫 Lampshade gasket
CXD8-DYX-13	底盖密封垫 Bottom cover gasket
CXD8-DYX-14	底盖 Bottom cap
CXD8-DYX-15	衬垫 pad
CXD8-DYX-16	指示牌 Indicator
CXD8-DYX-017	电源线 Power cable
CXD8-DYX-018	接地线扎 Ground clamp
CXD8-DYX-19	警告标识 Warning Mark
CXD8-DYX-20	电源标识 Power supply mark
CXD8-DYX-21	开关指示标识 Switch indicate mark
CXD8-DYX-22	灯具标识 Luminarie mark
CXD8-BZ-1	手提箱 Suitcase
CXD8-BZ-2	纸箱 carton
21018001709	Ni-Cd 蓄电池 Ni-Cd storage battery
21601000001	开关部件 switch parts
21705421710	箱包拉手(塑料) Bag handle(plastic)
CXD8-000E	电原理图 Electrical schematic





21802001706

组合开关 Switch group

使用限定 (如有) /Limitations of use (if any)

Nil.

产品认可试验报告和日期/Approval Test Report and Date

试验报告编号/Test Report No. : A13-008-ZC

试验报告日期/Test Report Date : 2013-05-20

试验单位/Laboratory : 上海仪器仪表自控系统检验测试所 Shanghai Inspection And Testing Instruments and Automatic Systems

试验报告编号/Test Report No. : (2016)MJDZ-1473

试验报告日期/Test Report Date : 2016-09-09

试验单位/Laboratory : 福建省产品质量检验研究院 Fujian Inspection and Research Institute for Product Quality (FQII)

试验报告编号/Test Report No. : (2016)MJDZ-1472

试验报告日期/Test Report Date : 2016-09-30

试验单位/Laboratory : 福建省产品质量检验研究院 Fujian Inspection and Research Institute for Product Quality (FQII)

试验报告编号/Test Report No. : (2019)MJDZ-1246

试验报告日期/Test Report Date : 2019-10-31

试验单位/Laboratory : 福建省产品质量检验研究院 Fujian Inspection and Research Institute for Product Quality (FQII)

试验报告编号/Test Report No. : (2020)MJDZ-0410Y

试验报告日期/Test Report Date : 2020-4-27

试验单位/Laboratory : 福建省产品质量检验研究院 Fujian Inspection and Research Institute for Product Quality (FQII)

认可保持条件/Maintenance Requirements of Approval

1: 本证书针对符合批准型式的产品是有效。制造厂应将已批准设备的任何更改和改变告知作为认证机构的中国船级社。

This certificate is valid for equipment, which conform to the approved type. The manufacturer shall inform CCS, as the Notified Body, of any modifications or changes to the approved equipment.

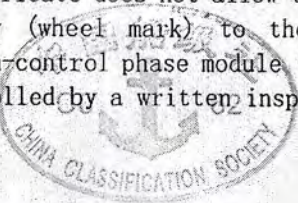
2: 在证书的有效期内如相关的公约或标准发生修订, 产品在安装上船 (公约和标准的修正案适用时) 前应重新认可。

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

标志/Mark

在本证书的基础上, 如申请方能完全遵守与认证机构签署的书面检验协议和按照 MED 附录 II 中的生产监督模式 (D, E 或 F) 实施有效控制, 符合性标志 (舵轮标志) 可贴在批准型式的设备上以及发布一份制造厂的符合性声明。

This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheel mark) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.





**其他/Others**

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004 and amended by Decision No. 1/2018 dated February 18th, 2019 according to U.S. Coast Guard approval category <165.166>.

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MED.

本地机构: 中国船级社浙江分社  
Local Office: China Classification Society ZHEJIANG Branch



\*\*\*\*\*本证书正文完/ End of Text\*\*\*\*\*





**QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)**

Certificate No: **MEDD00001FU**  
Revision No: **2**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

**This is to certify:**

**That the Quality System for the products**

with type designation(s) as specified in the Appendix to this Certificate

Issued to

**Haixing Maritime Electric Group Co. Ltd.**  
**Wenzhou, 130, China**

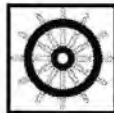


is found to comply with the applicable requirements.  
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2020/1170.

This Certificate is valid until **2023-07-11**.  
Issued at **Hamburg** on **2020-10-13**

DNV GL local station:  
**Ningbo FIS**

Approval Engineer:  
**Didier Girardin**



Notified Body  
No.: **0098**

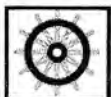


for **DNV GL SE**  
Digitally Signed By: Mydlak-Röder, Christine  
Location: DNV GL Hamburg, Germany  
on behalf of

**Gerhard Aulbert**  
**Head of Notified Body**



The manufacturer is allowed to affix the U.S. Coast Guard approval number(s) as stated in the appendix attached hereto and as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004, and amended by Decision No 1/2018 dated February 18th, 2019.



0098/yyyy

0098: Notified Body number undertaking quality surveillance  
yyyy: The year in which the mark is affixed

The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein. This certificate loses its validity if the manufacturer makes any changes to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.



Job Id: 344.1-007960-3  
Certificate No: MEDD00001FU  
Revision No: 2

## APPENDIX

### Item no. MED/4.52 Daylight signalling lamp

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
CXD8 Daylight signalling lamp <sup>1</sup>	CCSG18MEDB017	2025-05-28	2676	165.166/EC2676 /CCSG18MEDB017 /EC0098

### Item no. MED/6.1 Navigation lights

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
CXH-series Navigation Lights <sup>1</sup>	MEDB00001KU Rev.2	2023-07-17	0098	N/A
CXH1-101P, CXH2-101P, CXH3-101P, CXH4-101P, CXH6-101P, CXH1-11P, CXH2-11P, CXH3-11P, CXH4-11P, CXH6-11P <sup>1</sup>	MEDB00003W0	2023-07-11	0098	N/A

## Places of production

1. Haixing Maritime Electric Group Co. Ltd., Wuniu Industrial Zone, Wenzhou, China