



中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
PA25PTB00005

型式认可证书
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

Schneider Electric Industries SAS

地址/Address

35 rue Joseph Monier,F-92500 Rueil-Malmaison ,France

产品名称/Product

接触器
Contactor

认可标准/Approval Standard

- 中国船级社《钢质海船入级规范》第4篇第1、3章
Chapter 1 and 3, Part Four of China Classification Society Rules for Classification of Sea-Going Steel Ships
- IEC 60947-4-1《低压开关设备和控制设备 第4-1部分:接触器和电动机起动器 机电式接触器和电动机起动器》
IEC 60947-4-1 Low-voltage switchgear and controlgear—Part 4-1: Contactors and motor-starters—Electromechanical contactors and motor-starters
- IEC 60947-5-1《低压开关设备和控制设备 第5-1部分:控制电路电器和开关元件 机电式控制电路电器》
IEC 60947-5-1 Low-voltage switchgear and controlgear—Part 5-1: Control circuit devices and switching element—Electromechanical control circuit devices
- 中国船级社《电气电子产品型式认可试验指南》
China Classification Society "Guidelines for Type Approval Testing of Electrical and Electronic Products"
- IACS UR E 10
IACS UR E 10

用于/Intended for

船舶与海上设施/Ships and Offshore Installations

产品明细/Product Description

接触器/Contactor (M0001)

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	详见附页 See Additional Page(s)	

证书有效期至/This Certificate is valid until 2030年04月03日/ Apr. 03,2030

发证机构/中国船级社巴黎办事处
Issued by CHINA CLASSIFICATION SOCIETY Paris Office

签发日期 2025年11月20日
Date Nov. 20,2025

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体,必须同时使用。纸质证书每页均须由本社盖章方为有效,电子证书含数字签名方为有效,本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时,可以向本社检验机构咨询。本证书凡是未注明版本的规范,其(发证时)最新版本适用于本证书。
This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices. For Rules with no version indication, their latest version (at the time of issuance of the certificate) applies to the certificate.



Form No: T01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)

UTN:P025-74385444

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No. : NP24PPP04567;NP24PPP04567-1

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No. : 24119Y90011-01

试验报告日期/ Test Report Date : 2024-07-15

试验单位/ Laboratory: Zhejiang Fangyuan Test Group CO., Ltd. Zhejiang Fangyuan Test Group CO., Ltd.

试验单位地址/ Test Address: Guangqiong Rd, Jiaxing City, Zhejiang Province. P.R. China Guangqiong Rd, Jiaxing City, Zhejiang Province. P.R. China

试验报告编号/ Test Report No. : 24119Y90011-02

试验报告日期/ Test Report Date : 2024-07-15

试验单位/ Laboratory: Zhejiang Fangyuan Test Group CO., Ltd. Zhejiang Fangyuan Test Group CO., Ltd.

试验单位地址/ Test Address: Guangqiong Rd, Jiaxing City, Zhejiang Province. P.R. China Guangqiong Rd, Jiaxing City, Zhejiang Province. P.R. China

试验报告编号/ Test Report No. : FR-719684

试验报告日期/ Test Report Date : 2024-07-23

试验单位/ Laboratory: LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE

试验单位地址/ Test Address: 33 avenue du Général Leclerc 92260 Fontenay-aux-Roses, FRANCE 33 avenue du Général Leclerc 92260 Fontenay-aux-Roses, FRANCE

试验报告编号/ Test Report No. : FR_721879

试验报告日期/ Test Report Date : 2025-06-18

试验单位/ Laboratory: LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE

试验单位地址/ Test Address: 33 avenue du Général Leclerc 92260 Fontenay-aux-Roses, FRANCE 33 avenue du Général Leclerc 92260 Fontenay-aux-Roses, FRANCE

试验报告编号/ Test Report No. : 25119Y90025-01

试验报告日期/ Test Report Date : 2025-06-16

试验单位/ Laboratory: Zhejiang Fangyuan Test Group CO., Ltd. Zhejiang Fangyuan Test Group CO., Ltd.

试验单位地址/ Test Address: Guangqiong Rd, Jiaxing City, Zhejiang Province. P.R. China Guangqiong Rd, Jiaxing City, Zhejiang Province. P.R. China

试验报告编号/ Test Report No. : 25119Y90025-02

试验报告日期/ Test Report Date : 2025-06-16

试验单位/ Laboratory: Zhejiang Fangyuan Test Group CO., Ltd. Zhejiang Fangyuan Test Group CO., Ltd.

试验单位地址/ Test Address: Guangqiong Rd, Jiaxing City, Zhejiang Province. P.R. China Guangqiong Rd, Jiaxing City, Zhejiang Province. P.R. China

认可后的产品检验方式/ Method of Product Inspection after Approval

按规范只认可不进行产品检验的产品/The product approved only in term of the rules:

认可后的产品检验由制造厂按本社批准的产品检验计划进行检验, 经检验合格后由制造厂签发合格证明, 并连同该产品的本社认可证书复印件一并交付用户, 制造厂对产品符合公约、法规、本社规范和本社认可的标准规定负责。

After approval, product inspection should be carried out by the Manufacturer in accordance with the product inspection scheme approved by the Society. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

认可保持条件/ Maintenance Requirements of Approval

1. 型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经检验机构审批。并在检验机构认为必要时, 经本社检验人员见证有关试验和进行检查, 其结果应能证实仍符合认可条件。

After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where

deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

2. 工厂的质量管理体系应保持有效运行，并且与认可时一致。如果质量管理体系发生改变，应经原体系认证机构审核并报本社批准。

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 认可证书有效期内，如果出现可能导致本社取消认可的情况，工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.

4. 在认可证书有效期内，本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核，以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 如果属于获得型式认可B 模式证书，且无需颁发船用产品证书/等效证明文件的情况，证书获得者应接受本社每年一次的定期审核，定期审核日为认可证书期满之日对应的每一周年日，检查工作应在周年日的前后三个月内进行。

If belong to the situation of the product has type approval mode B certificate, and marine product certificate/equivalent document is not necessary, those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

6. 本认可证书的有效期与品牌拥有方和产品制造企业之间的授权协议保持一致，但不得超过5年。

The period of validity of this certificate is consistent with that of the agreement between the licensor and the manufacturer(s), but in no case it can over 5 years.

7. 在本证书有效期间，品牌拥有方和产品制造企业之间的授权协议的失效将自动导致本证书的失效。

During the period of validity, this certificate will automatically be ineffective in case of the invalidity of the authorization agreement between the licensor and the manufacturer(s).

备注/Remarks

1. 本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

2. 本证书由原型式认可证书 (No. PA25PTB00001) 变更并替代原证书。
This Certificate is modified from and supersedes the previous Type Approval Certificate No. PA25PTB00001.

3. 制造厂名称和地址：施耐德（上海）电器部件制造有限公司普陀分公司/上海市普陀区绥德路629号2幢A区
Manufacturer name and address: Schneider Shanghai Apparatus Parts Manufacturing Co., Ltd. Putuo Branch/Block A, Building 2, No. 629 Suide Road, Putuo District, Shanghai

中国船级社巴黎办事处

CCS Paris Office

注：本证书含有附页，共3页

Note: The certificate is attached with additional 3 page(s)

ANNEX

References, ratings and main characteristics:

Ui	1000V
Uimp	8kV
Ith	250A
Utilization category	AC-3, AC-3e, AC-4, AC-1;
Ue/Ie	<p>LC1D115A, LC1DT200A : Ue/Ie :</p> <p>AC-3: 230V/96A, 400V/97A, 415V/100A, 440V/115A, 500V/106A, 690V/82A, 1000V/46A ;</p> <p>AC-3e: 230V/96A, 400V/97A, 415V/100A, 440V/115A, 500V/106A, 690V/82A, 1000V/46A ;</p> <p>AC 4: 230V/96A, 400V/97A, 415V/93A, 440V/88A, 500V/89A, 690V/66A, 1000V/38A ;</p> <p>AC-1: 230V/400V/415V/440V/ 500V/690V/1000V/250A ;</p>
	<p>LC1D150A : Ue/Ie :</p> <p>AC-3 : 230V/124A, 400V/132A, 415V/136A, 440V/150A, 500V/128A, 690V/103A, 1000V/53A ;</p> <p>AC-3e : 230V/124A, 400V/132A, 415V/136A, 440V/150A, 500V/128A, AC690V/103A, 1000V/53A ;</p> <p>AC 4 : 230V/115A, 400V/132A, 415V/127A, 440V/120A, 500V/106A, AC690V/82A, 1000V/44A ;</p> <p>AC-1 : 230V/400V/415V/440V/ 500V/690V/1000V/250A ;</p>
	<p>LC1D115...C : Ue/Ie :</p> <p>AC-3 : 220V/100A, 230V/96A, 240V/96A, 380V/102A, 400V/97A, 415V/100A, 440V/115A, 500V/106A, 660V/86A, 690V/82A, 1000V/46A ;</p> <p>AC-3e:220V/100A, 230V/96A, 240V/96A, 380V/102A, 400V/97A, 415V/100A, 440V/115A, 500V/106A, 660V/86A, 690V/82A, 1000V/46A ;</p> <p>AC 4 : 220V/100A, 230V/96A, 240V/96A, 380V/102A, 400V/97A, 415V/93A, 440V/88A, 500V/89A, 660V/69A, 690V/66A, 1000V/38A ;</p> <p>AC-1 : 220V/230V/240V/380V/400V/415V/440V/ 500V/660V/690V/1000V/ 250A ;</p>
	<p>LC1D150...C : Ue/Ie :</p> <p>AC-3:220V/130A, 230V/124A, 240V/124A, 380V/139A, 400V/132A, 415V/136A, 440V/150A, 500V/128A, 660V/108A, 690V/103A,1000V/53A</p> <p>AC-3e:220V/130A, 230V/124A, 240V/124A, 380V/139A, 400V/132A, 415V/136A, 440V/150A, 500V/128A, 660V/108A, 690V/103A,1000V/53A</p> <p>AC 4: 220V/120A, 230V/115A, 240V/115A, 380V/139A, 400V/132A, 415V/127A, 440V/120A, 500V/106A, 660V/86A, 690V/82A,1000V/44A</p> <p>AC-1 : 220V/230V/240V/380V/400V/415V/440V/ 500V/660V/690V/1000V/250A ;</p>
	<p>LC1D170...C : Ue/Ie :</p> <p>AC-3 : 220V/176A, 230V/169A, 240V/169A, 380V/168A, 400V/160A, 415V/154A, 440V/160A, 500V/156A, 660V/118A, 690V/113A ,1000V/53A ;</p> <p>AC-3e : 220V/176A, 230V/169A, 240V/169A, 380V/168A, 400V/160A, 415V/154A, 440V/160A, 500V/156A, 660V/118A, 690V/113A ,1000V/53A ;</p> <p>AC 4: 220V/145A, 230V/140A, 240V/140A, 380V/168A, 400V/160A, 415V/127A, 440V/120A, 500V/128A, 660V/97A, 690V/93A,1000V/44A ;</p> <p>AC-1 : 220V/230V/240V/380V/400V/415V/440V/ 500V/660V/690V/1000V 250A ;</p>

ANNEX

Us	AC/DC 24-60V, AC/DC48-130V, /DC100-250V, /DC200-500V; 50/60Hz for AC See below table of Coil voltage code
"Ir" Current	See below table of Short-circuit characteristics
"Iq" Current	See below table of Short-circuit characteristics
Number of poles	3 Poles: LC1D115A, LC1D150A, LC1D115...C, LC1D150...C, LC1D170...C, 4 Poles: LC1DT200A
Auxiliary circuits	1NO+1NC Ith: 10A; AC-15: Ue/Ie: 120V/6A, 600V/1, 2A; DC-13: Ue/Ie: 125V/1, 1A, 600V/0, 2A;

Coil voltage code

Coil code	Us (V)	Frequency
BNE	24-60V AC/DC	50 / 60 Hz and DC
EHE	48-130V AC/DC	50 / 60 Hz and DC
KUE	100-250V AC/DC	50 / 60 Hz and DC
LSE	200-500V AC/DC	50 / 60 Hz and DC

Short-circuit characteristics

Reference	Prosp. short-circuit current (kA)		SCPD	
	690V	1000V		
LC1D115A, LC1DT200A, LC1D115...C	690V	5	125A aM Fuse	Ir
	1000V	3	50A aM Fuse	
	500V	10	200A aM Fuse	
LC1D150A, LC1D150...C, LC1D170...C	690V	5	125A aM Fuse	Iq
	1000V	3	63A aM Fuse	
	500V	100	125A aM Fuse	
LC1D115A, LC1DT200A, LC1D115...C	690V	80	125A aM Fuse	Iq
	1000V	25	50A aM Fuse	
	500V	100	200A aM Fuse	
LC1D150A, LC1D150...C, LC1D170...C	690V	80	125A aM Fuse	Iq
	1000V	25	63A aM Fuse	
	500V	100	200A aM Fuse	

Mirror contacts qualifications:

Mirror quality for the integrated auxiliary block's NC contact. in Contactor Ref.: LC1D115A, LC1D150A, LC1D115...C, LC1D150...C, LC1D170...C, LC1DT200A.

Mechanical linked contact pairs qualifications:

Mechanical linked quality for the integrated auxiliary block's NO-NC contacts pair. in Contactor Ref.: LC1D115A, LC1D150A, LC1D115...C, LC1D150...C, LC1D170...C, LC1DT200A.

Type explanation

Intended for International Market :

LC1	D	T	200	A	6	BNE
I	II	III	IV	V	VI	VII

I	Basic product type LC1 : single contactor
II	CTR range :D
III	Number of Poles : Blank : 3 poles T : 4 poles
IV	Contactor size : 3 Poles (III is Blank) : 115, 150 4 Poles (III is T) : 200
V	A : Intended for International Market
VI	Main Terminal : Blank : Screw (EverLink) version 6 : Lug (Nut holder) version
VII	Coil voltage code : See table below

ANNEX

Intended for Chinese Market :

LC1	D		170		6	BNE	C
I	II	III	IV	V	VI	VII	VIII

I	Basic product type : LC1 : single contactor
II	CTR range : D
III	Number of Poles : Blank : 3 poles
IV	Contacteur size : 3 Poles (III is Blank) : 115, 150, 170
V	Blank: Intended for Chinese Market (then VIII is C)
VI	Main Terminal : Blank : Screw (Terminal block) version 6 : Naked version (for lug connection)
VII	Coil voltage code : See table below
VIII	C : Intended for Chinese Market (then V is Blank)

Coil code	Us (V)	Frequency
BNE	24-60	50 or 60 Hz and dc
EHE	48-130	50 or 60 Hz and dc
KUE	100-250	50 or 60 Hz and dc
LSE	200-500	50 or 60 Hz and dc