

**POTVRDA O TIPNOM ODOBRENJU**  
**TYPE APPROVAL CERTIFICATE**

Br /No 03-001621/031340

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.  
*This is to certify that this product, on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.*

**TIP I OPIS PROIZVODA:**

TYPE AND DESCRIPTION OF PRODUCT:

<b>SKLOPNICI</b>	<b>Tip</b>	<b>LC1D09, LC1D093, LC1D096, LC1D099, LC2D09, LC2D093,</b>
<b>CONTACTORS</b>	<b>Type</b>	<b>LC2D096, LC2D099</b>
		<b>LC1D12, LC1D123, LC1D126, LC1D129, LC2D12</b>
		<b>LC1D18, LC1D186</b>
		<b>LC1D183, LC2D183</b>
		<b>LC1D25, LC1D253, LC1D256, LC2D25, LC2D253, LC2D256</b>
		<b>LC1D32, LC1D236, LC2D32, LC2D236</b>
		<b>LC1D323, LC2D323</b>
		<b>LC1D38, LC1D386, LC2D38, LC2D386</b>

**PROIZVOĐAČ:**

MANUFACTURER:

**SCHNEIDER ELECTRIC INDUSTRIES SAS**

31 Rue Pierre Mendes France – Eybens

38050 Grenoble Cedex 9

FRANCUSKA - FRANCE

**PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:**

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

**Hrvatski registar brodova: PRAVILA ZA KLASIFIKACIJU BRODOVA, ELEKTRIČNA OPREMA, DIO 12***Croatian Register of Shipping: RULES FOR THE CLASSIFICATION OF SHIPS,  
ELECTRICAL EQUIPMENT, PART 12***DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.**

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

**ODOBRENJE VRIJEDI DO:**

2022-02-18

APPROVAL IS VALID UNTIL:

**Mjesto i datum:**

Split, 2018-02-23

Place and date:

M.P.

(Seal)

Marinko Popović, dipl.ing.

**NAPOMENA:** Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.

*NOTE:* This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

**PODROBNIJI OPIS PROIZVODA:**  
**DETAILED PRODUCT DESCRIPTION:**

**Contactors electrical ratings:**

Single and reversing contactors type **LC1-D** and **LC2-D** in a.c. and d.c. coils.  
 3 phases, AC current  
 Rated insulation voltage (Ui): 690V  
 Rated impulse withstand voltage (Uimp): 6kV

Model	Thermal Current (Ith) AC-1 rating	Utilization Category	Rated Voltage				
			230V	400V	440V	500V	690V
LC1/LC2 - D183	25A	AC-3	15A	15,5A	18A	16A	11,7A
		AC-4	12,5A	12,92A	15A	13,24A	9,75A
LC1/LC2 - D25, D256	40A	AC-3	20A	22A	25A	23A	17A
		AC-4	16,7A	18,34A	20,84A	19,2A	14,2A
LC1/LC2 - D253	25A	AC-3	20A	22A	25A	23A	17A
		AC-4	16,7A	18,34A	20,84A	19,2A	14,2A
LC1/LC2 - D32, D326	50A	AC-3	27A	29A	32A	28A	21A
		AC-4	22,5A	24,2A	20,84A	19,2A	14,2A
LC1/LC2 - D323	40A	AC-3	20A	22A	25A	23A	17A
		AC-4	16,7A	18,34A	20,84A	19,2A	14,2A
LC1/LC2 - D38, D386	50A	AC-3	31,7A	35A	38A	28A	21A
		AC-4	26,42A	29,2A	20,84A	19,2A	14,2A

**Auxiliary circuits Electrical ratings:**

Number of circuits (kind of contacts)	2 (1 NO and 1 NC)
Kind of current	AC and DC
Rated insulation voltage (Ui)	690 V
Rated impulse withstand voltage (Uimp)	6 kV

**Electrical ratings:**

**LC1 / LC2 - D25, D256, D32, D326, D38, D386**

Category	AC-15		DC-13	
Rated Voltage	120V	690V	125V	600V
Rated Current	6A	1,04A	1,1A	0,2A

**Electrical ratings:**

**LC1 / LC2 - D183, D253, D232**

Category	AC-15		DC-13	
Rated Voltage	120V	400V	125V	250V
Rated Current	6A	1,8A	1,1A	0,55A

**PODRUČJE PRIMJENE / POSEBNI GRANIČNI UVJETI:**  
*APPLICATION / LIMITATIONS:*

**Za unutarnju montažu.**

*For indoor installation.*

**DOKUMENTACIJA ZA TIPNO ODOBRENJE:**  
*TYPE APPROVAL DOCUMENTATION:*

**Test reports / Certificate:**

VDE certificate DE1-50103 (2012/05/21)

VDE report 5010831-4402-0008/153256-1 according IEC 60947-4-1 (contactor)

VDE report 5010831-4402-0008/153256-2 according IEC 60947-5-1 (auxiliary switch)

**OZNAČAVANJE PROIZVODA:**  
*MARKING OF PRODUCT:*

**Kako je navedeno u opisu proizvoda.**

*As is indicate in product description.*

**UVJETI ZA CERTIFIKACIJU:**  
*CONDITIONS FOR CERTIFICATION:*

**Ne / Not**