



TYPE APPROVAL CERTIFICATE



N. ELE300418CS

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

<i>Description</i>	Contactors
<i>Type</i>	TeSys F
<i>Applicant</i>	Schneider Electric Industries SAS 31 Rue Pierre Mendès France, Eybens, 38050 Grenoble Cedex 9 France
<i>Manufacturer</i>	Schneider Electric a.s. Cizovska 447- 39701 Pisek Czech Republic
<i>Testing Standards</i>	IEC 60947-4-1: 2009 (3rd edition) + Amendment A1:2012 In conjunction with EN 60947-1:2007 + A1:2011 +A2:2014

Issued in **Genova** on **October 16, 2018**

This Certificate is valid until **October 16, 2023**

RINA Services S.p.A.

N. ELE300418CS

LC1-F115 Single contactor

LC2-F115 Reversing contactor for motor control 3 Poles

Rated thermal current	I_{th}	A	200
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40
AC3 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		95,7A	
400V		97A	
415V		100,3A	
440V		115A	
500V		105,6A	
690V		81,9	
1000V		45,8	
AC4 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		79,8A	
400V		80,9A	
415V		83,6A	
440V		95,9A	
500V		88,0A	
690V		68,3A	
1000V		38,2A	
AC1 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		200A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F1154 Single contactor

LC2-F1154 Reversing contactor for motor control 4 Poles

Rated thermal current	I_{th}	A	200
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40
AC1 Utilization category			
Rated operational voltage		Rated operational current	I_e
230V		200A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R



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LC1-F150 Single contactor

LC2-F150 Reversing contactor for motor control 3 Poles

Rated thermal current	I_{th}	A	250
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40
AC3 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		123,9A	
400V		132A	
415V		136,2A	
440V		150A	
500V		128A	
690V		102,9A	
1000V		45,8A	
AC4 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		103,3A	
400V		110,0A	
415V		113,5A	
440V		125A	
500V		106,7A	
690V		85,8A	
1000V		38,2A	
AC1 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		250A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F1504 Single contactor

LC2-F1504 Reversing contactor for motor control 4 Poles

Rated thermal current	I_{th}	A	250
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40
AC1 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		250A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R

N. ELE300418CS

LC1-F185 Single contactor

LC2-F185 Reversing contactor for motor control 3 Poles

Rated thermal current	I_{th}	A	275
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40

AC3 Utilization category

Rated operational voltage	U _e	Rated operational current	I _e
230V			168,7A
400V			160A
415V			171,1A
440V			156A
500V			128A
690V			113A
1000V			71A

AC4 Utilization category

Rated operational voltage	U _e	Rated operational current	I _e
230V			140,6A
400V			133,4A
415V			142,6A
440V			154,2A
500V			130A
690V			94,2A
1000V			59,2A

AC1 Utilization category

Rated operational voltage	U _e	Rated operational current	I _e
230V			275A
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F1854 Single contactor

LC2-F1854 Reversing contactor for motor control 4 Poles

Rated thermal current	I_{th}	A	275
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40

AC1 Utilization category

Rated operational voltage	U _e	Rated operational current	I _e
230V			275A
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R

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LC1-F225 Single contactor

LC2-F225 Reversing contactor for motor control **3 Poles**

Rated thermal current	I_{th}	A	315
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40
AC3 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		193,1A	
400V		195A	
415V		188A	
440V		225A	
500V		180,2A	
690V		130,6A	
1000V		71A	
AC4 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		161,0A	
400V		162,5A	
415V		156,7A	
440V		187,5A	
500V		150,2A	
690V		108,9A	
1000V		59,2A	
AC1 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		315A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F2254 Single contactor

LC2-F2254 Reversing contactor for motor control **4 Poles**

Rated thermal current	I_{th}	A	315
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40
AC1 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		315A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R

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LC1-F265 Single contactor

LC2-F265 Reversing contactor for motor control 3 Poles

Rated thermal current	Ith	A	350
Rated insulation voltage	Ui	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	Tamb.	°C	40
AC3 Utilization category			
Rated operational voltage	Ue	Rated operational current	Ie
230V		229,6A	
400V		230A	
415V		235,5A	
440V		265A	
500V		224A	
690V		162,4A	
AC4 Utilization category			
Rated operational voltage	Ue	Rated operational current	Ie
230V		191,4A	
400V		191,7A	
415V		196,3A	
440V		220,9A	
500V		186,7A	
690V		135,4A	
AC1 Utilization category			
Rated operational voltage	Ue	Rated operational current	Ie
230V		350A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F2654 Single contactor

LC2-F2654 Reversing contactor for motor control 4 Poles

Rated thermal current	Ith	A	350
Rated insulation voltage	Ui	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	Tamb.	°C	40
AC1 Utilization category			
Rated operational voltage	Ue	Rated operational current	Ie
230V		350A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R

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LC1-F330 Single contactor 3 Poles

Rated thermal current	I _{th}	A	400
Rated insulation voltage	U _i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T _{amb.}	°C	40
AC3 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		308,7A	
400V		280A	
415V		303,6A	
440V		330A	
500V		280A	
690V		221,6A	
1000V		112A	
AC1 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		400A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F3304 Single contactor 4 Poles

Rated thermal current	I _{th}	A	400
Rated insulation voltage	U _i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T _{amb.}	°C	40
AC1 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		400A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R

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LC1-F400 Single contactor _ 3 Poles

Rated thermal current	I _{th}	A	500
Rated insulation voltage	U _i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T _{amb.}	°C	40
AC3 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		339,1A	
400V		350A	
415V		368,6A	
440V		400A	
500V		353,5A	
690V		278,8A	
1000V		129,5A	
AC1 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		500A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F4004 Single contactor _ 4 Poles

Rated thermal current	I _{th}	A	500
Rated insulation voltage	U _i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T _{amb.}	°C	40
AC1 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		500A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R

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LC1-F500 Single contactor _ 3 Poles

Rated thermal current	I _{th}	A	700
Rated insulation voltage	U _i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T _{amb.}	°C	40

AC3 Utilization category

Rated operational voltage	U _e	Rated operational current	I _e
230V		446,5A	
400V		430A	
415V		463,5A	
440V		500A	
500V		488A	
690V		333A	
1000V		129,5A	

AC1 Utilization category

Rated operational voltage	U _e	Rated operational current	I _e
230V		700A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F5004 Single contactor _ 4 Poles

Rated thermal current	I _{th}	A	700
Rated insulation voltage	U _i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T _{amb.}	°C	40

AC1 Utilization category

Rated operational voltage	U _e	Rated operational current	I _e
230V		700A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R

N. ELE300418CS

LC1-F630 Single contactor _ 3 Poles

Rated thermal current	I_{th}	A	1000
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40
AC3 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		608,7A	
400V		575A	
415V		622,2A	
440V		630A	
500V		552A	
690V		446,7A	
1000V		308,2A	
AC1 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		1000A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F6304 Single contactor _ 4 Poles

Rated thermal current	I_{th}	A	1000
Rated insulation voltage	U_i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T_{amb.}	°C	40
AC1 Utilization category			
Rated operational voltage	U_e	Rated operational current	I_e
230V		1000A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R

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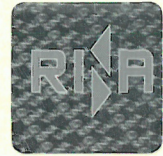
LC1-F780 Single contactor _ 3 Poles

Rated thermal current	I _{th}	A	1600
Rated insulation voltage	U _i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T _{amb.}	°C	40
AC3 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		664,9A	
400V		690A	
415V		704A	
440V		780A	
500V		616,5A	
690V		469,8A	
1000V		308,2A	
AC1 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		1600A	
400V			
415V			
440V			
500V			
690V			
1000V			

LC1-F7804 Single contactor _ 4 Poles

Rated thermal current	I _{th}	A	1600
Rated insulation voltage	U _i	V	1000
Rated frequency	F	Hz	50-60
Ambient temperature	T _{amb.}	°C	40
AC1 Utilization category			
Rated operational voltage	U _e	Rated operational current	I _e
230V		1600A	
400V			
415V			
440V			
500V			
690V			
1000V			

Accessories: LAD C, LAD N, LAD S, LAD T, LAD R



N. ELE300418CS

STIEE lab. Test reports:

- C009-CB2012CQC-042926** (2012-09-26)
(LC1-F115, LC1-F150, LC2-F115, LC2-F150, LC1-F1154, LC1-F1504, LC2-F1154, LC2-F1504)
- C009-CB2012CQC-042926-M1** (2013-04-11)
(LC1-F115, LC1-F150, LC2-F115, LC2-F150, LC1-F1154, LC1-F1504, LC2-F1154, LC2-F1504)
- C009-CB2012CQC-052925** (2012-09-25)
(LC1-F185, LC1-F225, LC2-F185, LC2-F225, LC1-F1854, LC1-F2254, LC2-F1854, LC2-F2254)
- C009-CB2012CQC-052925-M1** (2013-07-17)
(LC1-F185, LC1-F225, LC2-F185, LC2-F225, LC1-F1854, LC1-F2254, LC2-F1854, LC2-F2254)
- C009-CB2012CQC-042924** (2012-09-24)
(LC1-F265, LC2-F265, LC1-F330, LC1-F400, LC1-F2654, LC2-F2654, LC1-F3304, LC1-F4004)
- C009-CB2012CQC-042924-M1** (2014-06-03)
(LC1-F265, LC2-F265, LC1-F330, LC1-F400, LC1-F2654, LC2-F2654, LC1-F3304, LC1-F4004)
- C009-CB2012CQC-042923** (2012-09-18)
(LC1-F500, LC1-F5004)
- C009-CB2012CQC-042922** (2012-09-20)
(LC1-F630, LC1-F780, LC1-F6304, LC1-F7804)
- C009-CB2012CQC-042922-M1** (2014-06-03)
(LC1-F630, LC1-F780, LC1-F6304, LC1-F7804)

CQC CB Test Certificates:

- CN 24996** (2012-11-23)
(LC1-F115, LC1-F150, LC2-F115, LC2-F150, LC1-F1154, LC1-F1504, LC2-F1154, LC2-F1504)
- CN 24996-A1** (2013-05-14)
(LC1-F115, LC1-F150, LC2-F115, LC2-F150, LC1-F1154, LC1-F1504, LC2-F1154, LC2-F1504)
- CN 24994** (2012-11-23)
(LC1-F185, LC1-F225, LC2-F185, LC2-F225, LC1-F1854, LC1-F2254, LC2-F1854, LC2-F2254)
- CN 24994-M1** (2013-07-17)
(LC1-F185, LC1-F225, LC2-F185, LC2-F225, LC1-F1854, LC1-F2254, LC2-F1854, LC2-F2254)
- CN 24995** (2012-11-23)
(LC1-F265, LC2-F265, LC1-F330, LC1-F400, LC1-F2654, LC2-F2654, LC1-F3304, LC1-F4004)
- CN 24995-M1** (2014-07-30)
(LC1-F265, LC2-F265, LC1-F330, LC1-F400, LC1-F2654, LC2-F2654, LC1-F3304, LC1-F4004)
- CN 24993** (2012-11-23)
(LC1-F500, LC1-F5004)
- CN 24992** (2012-11-23)
(LC1-F630, LC1-F780, LC1-F6304, LC1-F7804)
- CN 24992-M1** (2014-07-30)
(LC1-F630, LC1-F780, LC1-F6304, LC1-F7804)

SCHNEIDER EU Declaration of Conformity:
Doc. n. SC16041111B (August 28th, 2017)

General Catalogue: MKTED 21001EN (2018)

General remark:

Current Values to be derated according to **45°C** ambient temperature