

Certification Record

Customer	Class	File Number
Telemecanique/Schneider Electric Industries SAS 31 rue Pierre Mendes- France, Eybens France 38320	<u>3211-04</u> INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Magnetic	043364_S_000

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Motor starters, open types or with general purpose enclosures operating coil 600V ac or less 50/60Hz, with the following main contact max ratings:

Types	Amps	Encl.	Horsepower	
			600V ac 3-ph	240V ac 1-ph, 2- pole
LE1-D16	16	16	15	3
LE1-D25	25	25	20	3

Notes:

1. The devices may be provided with voltage suppressors 250V ac, 400V dc max, auxiliary contacts blocks Type LA1-.. as listed under LR 43363, time delay contacts Types LA2-D.. and LA3-D.. as listed under LR 46093 and with aux. contacts rated 600V ac HD, dc SD A600, (P600); the aux. contacts LA9-D09906 and LA9-D16906 are 600V ac HD, dc SD.
2. Contactors with 2 N.O. and 2 N.C. contacts are for switching of two phases in a three-phase circuit.
3. The basic type designations are completed with suffixes indicating contact arrangement.

AC contactors, d.c. coil operated, LP1-D09, -D12, -D16, -D18, -D25, -D32, open types, 3 or 4 poles, 25hp max, 3ph, 5hp max 1ph, 600V ac max, operating coil 24 to 600V ac.

AC reversing contactors, d.c. coil operated, Types LP2-D09, -D12, -D16, -D18, -D25, -D32, -D40, -D50, -D65, -D80, Types LC2-D40, LC2-D50, LC2-65, LC2-D80, open types, 3 or 4 poles, 600V max, 60 hp max, 110A max, operating coil 600V dc or less.

Note: Optional High fault ratings on LC2-D80: Maximum 100kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA rms symmetrical amperes at 480V rated not more than 150A

Note: The devices may be provided with aux. contacts 600V ac HD, dc SD, voltage suppressors, LA9-DO998D, 250V ac, 400V dc max, auxiliary contacts Types LA1-D10, with one pole, LA1-D11, LA1-D20 with 2-poles, LA1-D22, LA1-D04, LA1-D40, LA1-D13 and LA1-D1111 with 4 poles, contact rating code A600, Q600 or with time delay, Types LA2-D20 and LA3-D20 With 0.1 up to 3 sec time delay contacts, LA2-D22 and LA3-D22 with 0.1 up to 30 sec time delay and LA2-D24 and LA3-D24 with 10 up to 180 sec time delay contacts, 600V ac HD, dc SD; the aux. contacts LA9-D09906 and LA9-D16906 are 600V ac HD, dc SD.

Accessories for contactors: Interchangeable thermal and magnetic trip block Types LB1-LC.. and -LD.. or interchangeable magnetic trip block Types LB6-LC.. and -LD.., rated from 0.25 up to 32A in 11 setting ranges for Type -LC.. and from 10 to 63A in setting ranges for Types -LD.., for use with Certified magnetic/manual operated motor starters Types LD.-LC and -LD.

Note: The basic type designations are completed with suffixes indicating magnetic/thermal setting and overload adjustment range.

Auxiliary switch unit Type LA1-LC with auxiliary contacts for rating codes A600, P600 and/or signal contacts for 3A at 300V ac.

Contactors, open type, 2, 3 or 4-poles, operation coil 600V max, 50/60Hz or dc, auxiliary contacts, Types LA1-F, rated A600, Q600, with the following rating:

General 3-ph, Purpose 60Hz 600V, 60Hz Model	200- 208V	240V	Across the Line Motor Starting 3-ph, 60Hz 480V	600V
LC1-FF 175A	30 hp	40 hp	75 hp	100 hp
LC1- 200A FG	50 hp	60 hp	125 hp	150 hp
LC1-FH 285A	60 hp	75 hp	150 hp	200 hp
LC1-FJ 420A	100 hp	125 hp	250 hp	300 hp
LC1-FK 700A	150 hp	200 hp	400 hp	500 hp
LC1-FL 900A	250 hp	300 hp	600 hp	800 hp
LC1-FX 1500A	-	-	-	-

Notes:

1. The type designations are followed by suffixes indicating contact arrangement.
2. When mounted in an enclosure the current rating of Types LC1-FK, LC1-FL and LC1-FX are reduced by 10 percent.

Contactors, open or enclosed type, 3 or 4 pole, operating coil 600V max dc or ac, 50/60Hz, auxiliary contacts, rating codes A600, P600, LC1-D323, LC1-D329 and LC2-D329 (reversing), rated:

General Purpose	Across the Line Motor Starting	
3 ph, 60 Hz	1-ph, 50/60Hz	3-ph, 50/60Hz
50A, 600V	120V, 240V	200-208V 240V 480V 600V
-	2 hp, 5 hp	10 hp 10hp 20 hp 30 hp

AC Contactors, open type, 3- or 4-pole, operating coil 600V ac or less, 50/60Hz, with the following max ratings: LC1-DG1, 24A, 10 hp, 600V ac, 3-ph, 2hp, 240V, 1-ph, 2-pole.

Note: Type LC1-DG1 may be provided with this submittor's voltage suppressors Type LA9-D09980 as listed under LR 43364, aux. contact blocks Types LA1-.. as listed under LR 43363, time delay contacts Types LA2-D.. and LA3-D.. as listed under LR 46093.

AC Contactors, open type 2-, 3-, 4-, 5- or 6-pole, with the following ratings at 600V, 3-ph and 550V dc; Types CV 3-LB and CH 3-LB, 620 hp 800A ac; 388 hp, 800A dc, CV 3-MB and CH 3-MB, 1060 hp, 1000A ac; CV 3-PB and CH 3-PB, 1580 hp, 1500A ac; CV 3-RB and CH 3-RB, 2100 hp, 2000A ac.

Contactors, open type, 2- or 3-pole, with the following max ratings at 600V ac 3-ph or dc; Types CV1-FB, 42 hp, 64A ac, 27 hp, 64A dc; CV1-GB, LC1-BG, 85 hp, 125A ac, 54 hp, 125A dc; CV1-HB, LC1-BH, 142 hp, 200A ac, 87 hp, 200A dc; CV1-JB, LC1-BJ, 230 hp, 320A ac, 142 hp, 320A dc; CV1-KB, LC1-BK, 360 hp, 500A ac, 224 hp, 320A ac, 142 hp, 320A dc; CV1-LB, LC1-BL, 620 hp, 800A ac, 388 hp, 800A dc.

Contactors, open type, 2-, 3-, 4-, or 5-pole, with the following ratings at 600V, 3-ph, Types CV3-FB, 75 hp, 80A; CV3-GB, 150 hp, 160A, CV3-HP, 235 hp, 250A, CV3-JB, 300 hp, 320A, CV3-KB, 470 hp, 500A. Note: For all types CV3, CV1 and LC1-B, operating coil 600V or less, 50/60Hz, or dc. Auxiliary contacts Type ZC4-GM, rating codes A600, P600 or CA2-D rating codes A600, Q600. A time delay contact Type ZC2-GG or ZC2-GL, rating codes A600, Q600 (same polarity) may be provided on Type CV3.

Contactors Types LP4-D09, LP4-D12, LP4-D18, LP4-D25, LP4-REQ, 600V ac max, 20 hp max, 40A max continuous resistive load.

Reversing contactors Types LP5-D09, LP5-D12, LP5-D18, LP5-D25, 600V ac max, 20 hp max, 40A max continuous resistive load.

Enclosed motor starters LE1-D09, LE1-D12, 600V max, 1 or 3 ph, 10 hp max, enclosed Type 3R.

Reversing contactors, open type, 3 or 4 poles, operating coil 600V ac max, 50/60Hz: LC2-D09, -D12, -D18, -D25, -D32, -D40, -D50, -D65, -D80, -D95, 60hp max, 110A max at 600V ac max.

Magnetic contactors Models LC1 followed by F115, F150, F185, F225, F330, F265, F400, F500, F630, F780, and F800, Models T02XN13 where "X" may be replaced by E, F, G, H, or J, and Reversing contactors Types LC2F and LE2F and accessories, interlocks, power connections and connectors Type LA9F, 3 or 4 poles, 900 hp max, 1350A max, coil voltage 600V max ac/dc.

Special ratings for LC1F185

Tungsten: 200A, 480V ac, 3 phases wye

Ballast: 200A, 600V ac, 1 phase; 200A, 600V ac, 3 phases wye

Special rating for LC1F265

Tungsten: 265A, 480V ac, 3 phases wye

Ballast: 265A, 600V ac, 1 phase; 265A, 600V ac, 3 phases wye

Series CR1F AC latched contactors, permanent magnet coil, 600V ac or less, 50/60Hz, CR1F150, F185, F265, F400, F500 and F630, 600V ac max, 800 hp max, 1000A max.

Note:

1. ADDITIONAL SHORT CIRCUIT RATINGS

The following devices are additionally qualified for high fault ratings as shown.

	Maximum Wire size 75 deg C / Copper	SCCR	Type J Fuse Ampacity Maximum
Contactor	AWG	kA	(A)
LC1 F115	2/0	100	200
CR1- F150/LC1 F150	3/0	100	200
CR1- F185/LC1 F185	3/0	100	400
CR1- F265/LC1 F265	300	100	600
LC1 F330	500	100	600

2. LC2 reverser type for the contactors in the list are also cover.

3. The types of enclosures that can be used are Type 1(non ventilated), 12, 3, 3R, 4 or 4X

The following contactors are suitable for a Maximum Short Circuit Current Rating of 65,000 A at 480 V when protected by a Magnetic Only or a Thermal-Magnetic circuit breaker rated not more than shown in the table below.

TeSys F 3Pole/4Pole/Magnetic Latching/TeSys N with or without lug kit	Max. Voltage (V)	Max. SCCR (A)	Max. Circuit Breaker Ampacity (A)
LC1F115*/T02EN13	480 V	65,000 A	200 A
LC1F150*/CR1F150*/T02FN13	480 V	65,000 A	250 A
LC1F185*/CR1F185*	480 V	65,000 A	250 A

Notes:

1. "*" Can include three or four pole contactor.
2. LC2 reverser type for the contactors in the list are also cover.
3. The types of enclosures that can be used are Type 1(non ventilated), 12, 3, 3R, 4 or 4X.

AC mini-contactors and reversing contactors, Series K, Types LC1K, LC2K, LC7K, LC8K (ac coil), LP1K, LP2K, LP4K, LP5K (dc coil), rated 600V ac max, 3ph, 10hp max, 20A thermal current maximum, 10A current maximum for spring force connection version.

- AC electric heating application for contactors, Series K, Types LC1K, LC7K, LP1K, LP4K, 20A, 600V max, 250,000 operation, single phase and three phase.

- DC resistive application, Type LC1K09, 14A, 24V max, two sets of parallel connected contacts, interrupting both sides of the line.

Provided with clamp and screw terminal or spring force connections, suitable for field installation.

Notes:

1. Optional High Fault Short Circuit ratings for model LC1K06: Maximum 100kA RMS at 600V when protected by Class J or CC fuses having an interrupting rating not less than 100kA rms symmetrical amperes at 600V sized not greater than 25Amps.
 2. Optional High Fault Short Circuit ratings for models LC1K09 and LC1K12: Maximum 100kA RMS at 600V when protected by Class J or CC fuses having an interrupting rating not less than 100kA rms symmetrical amperes at 600V sized not greater than 30Amps.
 3. Optional High Fault Short Circuit ratings for models LC1K06, LC1K09 and LC1K12: Maximum 65kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 65kA rms symmetrical amperes at 480V sized not greater than 20Amps.
 4. Optional High Fault Short Circuit ratings for models LC1K06, LC1K09 and LC1K12: Maximum 25kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 25kA rms symmetrical amperes at 600V sized not greater than 20Amps.
- Control relays Type CA2-KN, CA3-KN, CA4-KN, and CAK followed by S335 or S207 operating coil 600V max, 50/60Hz or 250V dc max.

Contactors, Types LC1-D-K, 600V ac max, 80 kVAR max for captive switching (100,000 cycles).

Class 8502 contactors, open types, operating coils 6 to 600V ac, 50/60Hz with the following max ratings: Type PC1, 1/2 hp, 120V ac, 3 ph; 1-1/2 hp, 200-240V ac, 3 ph; 12A, 600V ac, 3 ph; Type PCS1, 1/3 hp, 120V ac, 1 ph, 2-pole; 3/4 hp, 200-240V ac, 1 ph, 2-pole, 16A (gen), 16A (resistive heating), 600V ac; auxiliary contacts rated A600, 10A, 600V ac.

Magnetic Contactors, three or four poles, Cat. Nos. LC1 D115, LC1 D150, LC2 D115, LC2 D150 followed by digits, rated 600V ac max, 125 hp max, 160A max continuous current; Connecting means Cat. Nos. LA9 D11550 and D11560; Mechanical Interlock, Cat. Nos. LA9 D11502; Power Connections Kits for Horizontal mounting reversing Controller, Cat. Nos. LA9 D115 followed by suffixes.

Special rating for LC1D115 and LC2D115

Tungsten: 115A, 480V ac, 3 phases wye

Ballast: 115A, 600V ac, 1 phase; 115A, 600V ac, 3 phases wye

Special rating for LC1D150 and LC2D150

Tungsten: 150A, 480V ac, 3 phases wye

Ballast: 150A, 600V ac, 1 phase; 150A, 600V ac, 3 phases wye

Note:

1. Optional High fault ratings: Maximum 100kA RMS at 480V when protected by a circuit breaker having an interrupting rating not less than 100kA rms symmetrical amperes at 480V, rated not more than 250 Amps.
2. Optional High fault ratings: Maximum 50kA RMS at 600V when protected by a circuit breaker having an interrupting rating not less than 50kA rms symmetrical amperes at 600V, rated not more than 250 Amps.

Class 8502 contactors, open types, operating coils 12-600V ac, 50Hz, 60Hz, 50/60Hz with the following max ratings, Type PF1, 2 hp, 115V ac, 1 ph, two poles; 5 hp, 230V ac, 1 ph, two poles; 10 hp, 200-230V ac, 3 ph; 20 hp, 460V ac, 3 ph; 25 hp, 575V ac, 3 ph; 40A general use, 575V ac; Type PF3, 3 hp, 115V ac, 1 ph, two poles; 7.5 hp, 230V ac, 1 ph, two poles; 15 hp, 200-230V ac, 3 ph; 30 hp, 460V ac, 3 ph, 40 hp, 575V ac, 3 ph; 55A general use, 575V ac.

Class 8502 contactors, open types, operating coils 6 to 600V ac, 50/60Hz with the following max ratings: Type PC1, 1/2 hp, 120V ac, 3 ph; 1-1/2 hp, 200-240V ac, 3 ph; 12A, 600V ac, 3 ph; Type PCS1, 1/3 hp, 120V ac, 1 ph, 2-pole; 3/4 hp, 200-240V ac, 1 ph, 2-pole, 16A (gen), 16A (resistive heating), 600V ac; auxiliary contacts rated A600, 10A, 600V ac.

Class 8502 contactors, open types, Type PC3, Series A or B, operating coils 6-600V ac, 50Hz, 60Hz or 50/60Hz, Type PCD3, Series A or B, operating coils, 6-600V dc, with the following max ratings: 1/3 hp, 120V ac, 1 ph; 3/4 hp, 230V ac, 1 ph; 1/2 hp, 120V ac, 3 ph; 1-1/2 hp, 200-240V ac, 3 ph; 3 hp, 440-600V ac, 3 ph; 12A, 600V ac, 1 or 3 ph; auxiliary contacts rated A600.

Class 8502 contactors, open type, Type PC4, operating coils: 6-600V ac, 50Hz, 60Hz, 50/60Hz, with the following max ratings: 3 hp, 240V ac, 3 ph; 5 hp, 440-600V ac, 3 ph; 16A, 600V ac, 1 or 3 ph; auxiliary contacts rated A600.

Non-combination magnetic Motor Controller and associated modules, Series TeSys Model U.

- Motor Starters Cat. No. LUB followed by 12 or 32, may be followed by 0, may be followed by NR, may be followed by 0 or 00.
- Reversing Motor Starters, Cat. No. LU2B followed by 12, 32, A0 or B0, followed by one or two letters.
- Control Units Cat. No. LUCA, LUCB, LUCD, LUCC, LUCM followed by a letter and a digit or by a digit and a letter or by two digits, followed by one or two letters.
- Reverser blocks Cat. No. LU2M followed by 32 or B0, followed by one or two letters.
- Side reverser blocks Cat. No. LU6M followed by 32 or B0, followed by one or two letters.
- Contacts modules Cat. No. LUFN followed by two digits.
- Contacts modules Cat. No. LUA1C followed by two digits.
- Contacts modules Cat. No. LUA8E20.
- EMC filter Cat. No. LUA4F11 (single filter) and LUA4F12 (inverter filter).
- Visualization module Cat. No. LUFV2.
- Alarm module Cat. No. LUFW10.
- Parallel wiring module Cat. No. LUFC00.
- AS-i communication module Cat. No. ASILUFC5 and ASILUFC51.
- Modbus communication module Cat. No. LULC031, LULC032 and LULC033.
- Communication modules Cat No. LULC08 and LULC15
- Profibus Communication module LULC07

Profibus bus splitter LUCC07

- Previous bus splitter LU9GC1
- DeviceNet communication module LULC09
- Parallel bus splitters Cat. No. LU9G02 and LU9GC3.
- Modules of thermal overload fault signaling Cat. No. LUF0 followed by a letter followed by two digits.
- Control removable connections Cat. No. LU9 followed by one or two letters, followed by one or two digits or by one letter and a digit.
- Control pre-wired accessories Cat. No. LU9 followed by one or two letters, followed by one or two digits or by one letter and a digit, followed by C.
- Door interlock mechanisms Cat. No. LU9AP00, LU9AP11 and LU9AP12.

Maximum ratings hp (may be rated less)

Cat. No.

	Three phase (hp)		Single phase (hp)					Continuous Current (A)
LU/ LU2	200- 208V	220- 240V	415V	480V	600V	120V	240V	
B12	3	3	5	7.5	10	1/2	2	12
B32	10	10	15	20	25	2	5	32.2
LUB32NR	7.5	7.5	10	10	10	2	3	27
LUB32NR00	1.5	1.5	1.5	2	2	1/3	1	9
LUB32NR0	3	3	3	5	5	1	2	18

Suitable for Group Installation

Auxiliary Contacts

-for LUB: B600-P150

-for LU2M and LU6M: B300-P300

Contacts modules:

- Cat.No. LUFN...: B300-Q300

- Cat. No. LUA8E20: B600-P150

- Cat. No. LUA1c.: C300-R300

General Note: The open type devices are Certified as components of other equipment where the suitability of the combination is determined by CSA International.

AC Contactors and reversing contactors, rated 600V ac max, 3 ph, 25 hp max, 52A thermal current max, operating coil 600V max, 50/60Hz or 575V dc max, auxiliary contact A600-P600 - continuous current 10A. Cat. No. LC1D, LC2D and DPE, size 09 to 38, followed by two digit numbers may be followed by one digit number, followed by one, two or three letters, may be followed by a digit number, may be followed by -S335 or -S207. Cat Nos. T02AN13, T02BN13, T02CN13, T02AN23, T02BN23, and T02CN23 followed by one or two letters, may be followed by a digit number. AC contactors, 4 pole version, Cat. No LC1DT and LC2DT a.c. and d.c. coils devices, size DT20 to DT40, followed by two digit numbers may be followed by one digit number, followed by one or two letters, may be followed by a digit number, may be followed by -S335 or -S207. Cat. No LC1D a.c. and d.c. coils devices, followed by two digit numbers, followed by 8, may be followed by one digit number, followed by one or two letters, may be followed by a digit number, may be followed by -S335 or -S207. Kits for reversing contactors Cat. NE LAD9R1V and LAD9R1. Kits Cat. No. LADT9R1V and LADT9R1 for reversing contactors LC2DT. Kit Cat. No. LADT3R1 for reversing contactor Cat. No. LC2DT203.

Rating for refrigeration control:

Type	FLA	LRA 240V	LRA 480V	LRA 600V	FLA Cycles	LRA Cycle
LC1 D09	9 A	54 A	45 A	36 A	30 000 *	6000
LC1 D12	12	72	60	48	30 000 *	6000
LC1 D18	18	108	90	72	30 000 *	6000
LC1 D25	25	150	125	100	30 000 *	6000
LC1 D32	32	192	160	128	30 000 *	6000

*As manufacturer's option, the contactors Models marked have been further tested to 100,000 cycle FLA endurance after LRA overload test.

Suitable for Group Installation

Cat. No. LC1D.3. and LC2.3. are provided with spring force terminal suitable for field wiring, suffix 3.
Cat. No. LC1D.9. and LC2.9. are provided with Faston quick connectors, suffix 9.

Cat. Nos. T02AN13 and T02BN13 are identical to the cat no. LC1D25 except that they are marked with different ratings.

Cat Nos. T02A023 and T02BN23 are identical to cat no. LC2D25 except that they are marked with different ratings.

Cat Nos. T02CN13 and T02CN23 are identical to the cat nos. LC1D32 and LC2D32, respectively, except that they are marked with different ratings.

Auxiliary contacts rating: A600 - P600 Continuous current: 10A

Coil ratings: 600V a.c. maximum - 600V d.c. maximum

Special rating for LC1D09 and LC1DT20

Tungsten: 20A, 480V ac, 3 phases wye

Ballast: 20A, 600V ac, 1 phase; 20A, 600V ac, 3 phases wye

Special rating for LC1D12 and LC1DT25

Tungsten: 25A, 480V ac, 3 phases wye

Ballast: 25A, 600V ac, 1 phase; 25A, 600V ac, 3 phases wye

Special rating for LC1D18 and LC1DT32

Tungsten: 25A, 480V ac, 3 phases wye

Ballast: 32A, 600V ac, 1 phase; 32A, 600V ac, 3 phases wye

Special rating for LC1D25 and LC1DT40

Tungsten: 40A, 480V ac, 3 phases

Ballast: 40A, 600V ac, 1 phase; 40A, 600V ac, 3 phases wye

Special rating for LC2D25

Tungsten: 25A, 480V ac, 1 phase

Ballast: 25A, 480V ac, 1 phase

Special rating for LC1D32

Tungsten: 30A, 480V ac, 1 phase; 50A, 480V ac, 3 phases wye

Ballast: 30A, 480V ac, 1 phase; 600V ac, 1 phase; 50A, 600V ac, 3 phases wye

Special rating for LC2D32

Tungsten: 30A, 480V ac, 1 phase

Ballast: 30A, 480V ac, 1 phase

Notes:

1. Optional High Fault Short Circuit ratings for models DPE09, LC.D09, DPE12, LC.D12, DPE18: Maximum 85kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA rms symmetrical amperes at 480V sized not greater than 35Amps.
2. Optional High Fault Short Circuit ratings for LC.D18, DPE25, LC.D25, DPE32, LC.D32, DPE38, LC.D38 : Maximum 85kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA rms symmetrical amperes at 480V sized not greater than 60Amps.
3. Optional High Fault Short Circuit ratings for models DPE09, LC.D09, DPE12, LC.D12, DPE18, LC.D18, DPE25: Maximum 50kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 50kA rms symmetrical amperes at 600V sized not greater than 35Amps.
4. Optional High Fault Short Circuit ratings for LC.D25, DPE32, LC.D32, DPE38, LC.D38 : Maximum 50kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 50kA rms symmetrical amperes at 600V sized not greater than 60Amps.

3 poles Contactor, Model LC1D and 3 poles reversing contactor LC2D, followed by 40, 50 or 65, followed by A, may be followed by 3, or 6, may be followed by 5, followed by a two or three alphanumeric digits.

3 poles NEMA rated Contactor Model LC1D50ANR, followed by 0, 1 or 2, followed by two or three alpha-numeric digits.

Electric heating control rating: Resistive - Break all lines (NO only):

Models	Voltage	Current	Cycles
LC1 / LC2D40	600V	80A	250,000
LC1 / LC2D50	600V	80A	250,000
LC1 / LC2D65	600V	80A	250,000

Operating coil 600V ac maximum, 50-60Hz, maximum 3 phases rating 50hp at 600V ac. High short-circuit rating with Class J fuses: 100kA max at 600V ac max. High short-circuit rating with Thermo-Magnetic Circuit Breaker, 100kA at 480V ac, 50kA at 600V ac.

Rating for refrigeration control:

Rating for refrigeration control:

Device	LRA 240V	LRA 480V	LRA 600V	Cycles
LC1D40	240	200	160	6000
LC1D50	300	250	200	6000
LC1D65	390	325	260	6000

Special rating for LC1D40

Tungsten: 60A, 600V ac

Ballast: 60A, 600V ac

Elevator Duty: 5Hp max. at 240Vac max., 1 phase ; 10Hp max. at 240Vac max, 3 phases

Special rating for LC1D50

Tungsten: 70A, 600V ac

Ballast: 70A, 600V ac

Elevator Duty: 7.5Hp max. at 240Vac max., 1 phase ; 30Hp max. at 600Vac max, 3phases

Special rating for LC1D65

Tungsten: 70A, 600V ac

Ballast: 80A, 600V ac

Elevator Duty: 10Hp max. at 240Vac max., 1 phase ; 30Hp max. at 600Vac max, 3 phases

3 poles Contactor, Model T02DN13 and 3 poles reversing contactor Model T02DN23, 2 Hp max. at 120Vac, 1 phase; 7.5Hp max. at 208/240Vac and 10 Hp max. at 480/600Vac, 3phases.

4 poles Contactor, Model LC1DT followed by 60 or 80, followed by A, may be followed by 3 or 6, may be followed by 5, followed by a two or three alpha-numeric digits. Operating coil 600Vac maximum, 440Vdc maximum, 50-60Hz; General use 80A max at 600Vac max normal short-circuit rating: 50kA at 480V ac; 25kA at 600V ac.

Mechanical Interlock catalogue number LAD4CM

Set of line and load connecting busbars catalogue number LA9D65A69.

Reversing Kit catalogue number LAD9R3 (Model LAD4CM + Model LA9D65A69)

Kit for Power Supply Switching catalogue number LAD9R3S

Side Mounting Auxiliary Adaptor kit catalogue number LAD4BB3

Busbars Kit catalogue number GV3S

Connector Assembly Kit for Ring Lug Connections catalogue number LAD96566

Safety cover for ring tongue terminal, 4 poles catalogue number LAD96580

Busbar kit for 4 poles contactors, catalogue number LAD65A70

Notes:

1. These devices are open type, magnetically operated contactors and reversing contactors rated 600 Vac max. 50/60 Hz with ac or dc coils and contactors accessories. These accessories are mechanical interlock, reversing bus bars kit, reversing kit, kit for power supply switching, mounting auxiliary adaptor, S shaped bus bars to connect side by side these contactors with the Model GV3 Self Protected Manual Motor Controller, connector assembly kits for ring tongue lug connections, safety cover for ring tongue terminals for 3 and 4 poles devices. They are provided with an auxiliary contact normally opened (NO) or normally closed (NC) rated A600, P600.
2. Model LC1D40A, LC1D50A and LC1D65A: suitable for group installation when used in combination with Schneider Electric/Telemecanique manual motor controller GV3P40, GV3P50 and GV3P65 and protected by 300A max. fuses or circuit breaker at 50 000 rms symmetrical amperes maximum at 480Y/244V or 25 000 rms symmetrical amperes maximum at 600Y/347V.
3. Optional High fault ratings for models LCxDyyA: Maximum 100kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA rms symmetrical amperes at 480V, rated not more than 110 Amps. Where x can be replaced by 1 or 2 and yy can be replaced by 40, 50 or 60. Also applies to model LC1D50ANR
4. Optional High fault ratings for models LC1Dyy: Maximum 100kA RMS at 600V when protected by Class J fuses having an interrupting rating not less than 100kA rms symmetrical amperes at 600V, rated not more than 125 Amps. Where yy can be replaced by 40, 50 or 60.
5. Optional High fault ratings for models LCxDyyA: Maximum 50kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 50kA rms symmetrical amperes at 600V, rated not more than 110 Amps. Where x can be replaced by 1 or 2 and yy can be replaced by 40, 50 or 60. Also applies to model LC1D50ANR.
6. Contactors Models LC1D40, LC1D50 and LC1D65 have been tested for refrigeration rating suitable for part winding motor to 30 000 cycles at Full load current (FLA) and Lock rotor current (LRA) for simultaneously energized controllers.

Device	240V		480V		600V	
	FLA	LRA	FLA	LRA	FLA	LRA
LC1D40	40	240	40	200	40	160
LC1D50	50	300	50	250	50	200
LC1D65	65	390	65	325	52	208

7. Contactors Models LC1D40, LC1D50 and LC1D65 have been tested to 100,000 cycles for Full Load current endurance test at those full load current (FLA) for Make and Break

		Cycles
LC1D40	40	100 000
LC1D50	50	100 000
LC1D65	65	100 000

Contactors, Types LC1-D09, -D12, -D18, -D25, -D32, rated 600V and less, 30hp max. Suitable for Group Installation when used in combination with Telemecanique Manual Motor Controller GV2-.. or GV3V-.. and protected by fuses or circuit breaker.

Contactors, LC1-D80 and LC1-D95, 600V ac and less, 60 hp max - 3 ph, 15 hp, 1 ph, Coil: 600Vac max, 50/60Hz.

Electric heating control rating: Resistive - Break all lines (NO only):

Models	Voltage	Current	Cycles
LC1-D80	600V	110A	250,000

Special rating for LC1D80

Tungsten: 100A, 480Vac, 3 phases wye

Ballast (break all lines): 100A, 600Vac, 1 phase; 100A, 600Vac, 3 phases wye

Electric heating control rating: Resistive - Break all lines (NO only):

Models	Voltage	Current	Cycles
LC1-D80	600V	110A	250,000

Rating for refrigeration control:

Device	FLA	LRA 240V	LRA 480V	LRA 600V	FLA Cycles	LRA cycle
LC1-D80	80	480	400	320	30 000 *	6000

Special rating for LC1D80

Tungsten: 100A, 480Vac, 3 phases wye

Ballast (break all lines): 100A, 600Vac, 1 phase; 100A, 600Vac, 3 phases wye

Notes:

1. Suitable for Group Installation when used in combination with Telemecanique manual motor controller GV2-.. or GV3-.. and protected by fuses or circuit breakers.
2. Optional High Fault Short Circuit ratings for LC1, -D80, -D95: Maximum 100kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA rms symmetrical amperes at 480V sized not greater than 150A for LC1-D80, -D95.
3. Designation: Tesys offer Cat. No. LC1-D80 and LC1-D95 followed or not by 6 or 004 or 008, followed by the coil voltage code composed by a suffix letter and a digit, may be followed by a letter. Example : LC1- D40004G7M.
4. Optional High Fault Short Circuit ratings for LC1-D80, -D95: Maximum 50kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 50kA rms symmetrical amperes at 600V sized not greater than 175A for LC1-D80, -D95.

DC coil operated contactors Types LP1-D40, -D50, -D65, -D80 and LC1-D40, D50, D65, D80.

Special rating for LC1D80

Tungsten: 100A, 480Vac, 3 phases wye

Ballast: 100A, 600Vac, 1 phase; 100A, 600Vac, 3 phases wye

Note: Optional High fault ratings: Maximum 100kA RMS at 480V when protected by a circuit breaker having an interrupting rating not less than 100kA RMS symmetrical amperes at 480V ac, rated not more than 150 Amps.

3 poles Contactor, Model LC1F, followed by four digit number, may be followed by additional suffix letters or numbers. Operating coil 110Vac to 500Vac maximum (except 600Vac maximum for LC1F1250), from 110Vdc to 440Vdc maximum (except 48Vdc to 250Vdc maximum for LC1F1250), 50-60Hz; Maximum AC General Use rating 2600A at 600Vac.

LC1F1000: FLA: 1000A max. at 480Vac max.

T-adapter for horizontal bus bar connection, Model LA9F2100, LA9F1250, LA9F2600.

Notes:

1. These devices are open type intended for bus bar power connection, magnetically operated contactors rated 600Vac max. 50/60 Hz with ac or dc coils. Installation as per manufacturer instruction sheet including clearances values.
2. Model LA9F2100 is a T-adapter accessory intended to be used with Models LC1F1000, LC1F1400, LC1F1700 or LC1F2100 to provide horizontal bus bar power connection.
3. Model LA9F1250 is a T-adapter accessory intended to be used with Model LC1F1250 to provide horizontal bus bar power connection.
4. Excepted for LC1F1000, these devices are certified with current rating in open enclosure (without cover). The temperature rise in closed enclosure is subject to investigation in the end product application.
5. Model LA9F2600 is a T-adapter accessory intended to be used with Model LC1F2600 to provide horizontal bus bar power connection.

Auxiliary block for capacitor switching, catalogue number LC1D, followed by B, C, F, G, L, M, P, T, followed by K. Application fitted on LC1-D Type contactors.
Coil voltage range is 24Vac minimum, 440Vac maximum.

Auxiliary contacts: A600, Q600
Rated: 50kVARmax. at 600Vac

/ml