

TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 265 A - coil 110 V AC

LC1F265F7

! Discontinued on: Jun 15, 2023

① Discontinued

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys
Range of Product	TeSys F
Product or Component Type	Contactor
Device short name	LC1F
Contactor application	Resistive load Motor control
Utilisation category	AC-1 AC-4 AC-3
Poles description	3P
[Ue] rated operational voltage	<= 1000 V AC-1 <= 690 V AC-3 <= 690 V AC-4 <= 460 V DC
[Uc] control circuit voltage	110 V AC 40400 Hz
[le] rated operational current	350 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 265 A (at <131 °F (55 °C)) at <= 440 V AC AC-3

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	350 A (at 104 °F (40 °C))
Rated breaking capacity	2120 A conforming to IEC 60947-4-1
[lcw] rated short-time withstand current	2200 A 104 °F (40 °C) - 10 s 1230 A 104 °F (40 °C) - 30 s 950 A 104 °F (40 °C) - 1 min 620 A 104 °F (40 °C) - 3 min 480 A 104 °F (40 °C) - 10 min
Associated fuse rating	315 A aM at <= 440 V 400 A gG at <= 440 V
Average impedance	0.3 mOhm - Ith 350 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	37 W AC-1 21 W AC-3
Overvoltage category	III
power pole contact composition	3 NO

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Motor power kW	132 kW at 380400 V AC 50/60 Hz (AC-3)
	140 kW at 415 V AC 50/60 Hz (AC-3)
	140 kW at 440 V AC 50/60 Hz (AC-3)
	160 kW at 500 V AC 50/60 Hz (AC-3)
	160 kW at 660690 V AC 50/60 Hz (AC-3)
	147 kW at 1000 V AC 50/60 Hz (AC-3)
	75 kW at 220230 V AC 50/60 Hz (AC-3)
	51 kW at 400 V AC 50/60 Hz (AC-4)
Control circuit voltage limits	Operational 0.851.1 Uc 40400 Hz 131 °F (55 °C))
	Drop-out 0.150.2 Uc 40400 Hz 131 °F (55 °C))
Mechanical durability	10 Mcycles
Inrush power in VA	650 VA, 40400 Hz 0.9 68 °F (20 °C))
Hold-in power consumption in VA	10 VA, 40400 Hz 0.9 68 °F (20 °C))
Maximum operating rate	2400 cyc/h 131 °F (55 °C)
Operating time	4065 ms closing
	100170 ms opening
Connections - terminals	Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible without cable end
	Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)flexible without cable end
	Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with cable end
	Control circuit screw clamp terminals 2 0.0020.004 in² (12.5 mm²)flexible with cable end
	Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)solid without cable end
	Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)solid without cable end
	Power circuit bar 2 32 x 4 mm
	Power circuit lugs-ring terminals 1 0.4 in² (240 mm²)
	Power circuit connector 1 0.4 in² (240 mm²)
	Power circuit bolted connection
Tightening torque	Control givenit 40 G libi in (4.2 N m)
rightening torque	Control circuit 10.6 lbf.in (1.2 N.m) Power circuit 309.8 lbf.in (35 N.m)
Mounting Support	Plate
Heat dissipation	8 W
motor power range	55100 kW 200240 V 3 phase
motor power range	110220 kW 480500 V 3 phase
	110220 kW 380440 V 3 phase
Motor starter tune	•
Motor starter type	Direct on-line contactor
Contactor coil voltage	110 V AC standard
Standards	EN 60947-4-1
	JIS C8201-4-1
	EN 60947-1
	IEC 60947-1
	IEC 60947-4-1
Product Certifications	BV
	RINA
	CSA
	UL DNV
	DNV RMRoS
	KMR0S CB
	LROS (Lloyds register of shipping)
	ABS
	UKCA
Compatibility code	LC1F
Control circuit type	AC 40400 Hz
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Environment

IP degree of protection	IP20 front face with shrouds IEC 60529 IP20 front face with shrouds VDE 0106
Protective treatment	тн
Ambient air temperature for operation	23131 °F (-555 °C)
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)
Permissible ambient air temperature around the device	-40158 °F (-4070 °C)
Height	8.0 in (203 mm)
Width	7.9 in (201.5 mm)
Depth	8.4 in (213 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Net Weight	16.40 lb(US) (7.44 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0112
GTIN	3389110351606
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE						
Number of Units in Package 1	1						
Package 1 Height	10.04 in (25.500 cm)						
Package 1 Width	9.84 in (25.000 cm)						
Package 1 Length	10.24 in (26.000 cm)						
Package 1 Weight	17.613 lb(US) (7.989 kg)						
Unit Type of Package 2	P06						
Number of Units in Package 2	12						
Package 2 Height	29.53 in (75.000 cm)						
Package 2 Width	23.62 in (60.000 cm)						
Package 2 Length	31.50 in (80.000 cm)						
Package 2 Weight	230.092 lb(US) (104.368 kg)						

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	1013
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	B2d4179a-eb65-40a3-a1ef-d9a33060486f
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
PVC free	Yes

Use Again

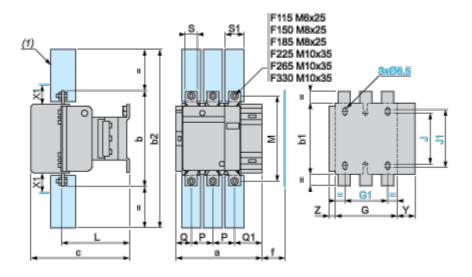
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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Dimensions Drawings

Dimensions and Drawings

LC1 F115 to F330



(1) Power terminal protection shroud

X1 (mm) = Minimum electrical clearance according to operating voltage and breaking capacity.

LC1	200500 V	6001000 V
F115, F150	10	15
F185	10	15
F225, F265	10	15
F330	10	15

LC1		а	b	b1	b2	С	f	G	G1	J	J1	L	М	Р	Q	Q1	S	S1	1
F445	3P	163.5	162	137	265	171	131	106	80	106	120	107	147	37	29.5	60	20	26	4
F115	4P	200.5	162	137	265	171	131	143	80	106	120	107	147	37	29.5	60	20	26	4
F450	3P	163.5	170	137	301	171	131	106	80	106	120	107	150	40	26	57.5	20	34	4
F150	4P	200.5	170	137	301	171	131	143	80	106	120	107	150	40	26	55.5	20	34	4
	3P	168.5	174	137	305	181	130	111	80	106	120	113.5	154	40	29	59.5	20	34	4
F185	4P	208.5	174	137	305	181	130	151	80	106	120	113.5	154	40	29	59.5	20	34	4
F225	3P	168.5	197	137	364	181	130	111	80	106	120	113.5	172	48	21	51.5	25	44.5	4
F225	4P	208.5	197	137	364	181	130	151	80	106	120	113.5	172	48	17	47.5	25	44.5	4
F265	3P	201.5	203	145	375	213	147	142	96	106	120	141	178	48	39	66.5	25	44.5	3
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Product data sheet

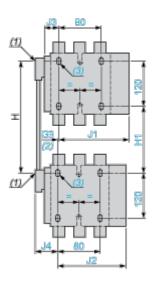
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LC1		а	b	b1	b2	С	f	G	G1	J	J1	L	М	Р	Q	Q1	S	S1	Υ
	4P	244.5	203	145	375	213	147	190	96	106	120	141	178	48	34	66.5	25	44.5	3
F220	3P	213	206	145	375	219	147	154.5	96	106	120	145	181	48	43	74	25	44.5	3
F330	4P	261	206	145	375	219	147	202.5	96	106	120	145	181	48	43	74	25	44.5	3

TeSys F reversing contactors and changeover contactor pairs, vertically mounted

NOTE: For customer assembly, with mechanical interlock (MI) LA9 F, fixing recommended on AM1 EC uprights (please consult your Regional Sales Office). 2 x LC1 identical or different ratings (LC1 F115 to F630 and F800).

Assembly A



- (1) Mechanical interlock shaft.
- (2) For assembly of contactors of different ratings only.
- (3) 4 x Ø6.5 for LC1 F115 to F225.

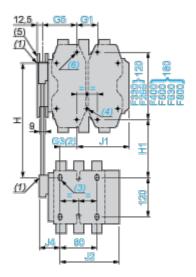
Assembly A⁽⁷⁾ - Mechanical interlock reference

Assembly A	- iviecna	nicai inte	nock refe	erence				
	G3 3P	G3 4P	H min.	H max.	H1 min.	H1 max.	J1 3P	J1 4P
LA9 FF4F	0	0	200	310	80	190	137	155.5
LA9 FG4F	3	4	210	300	90	180	139.5	159.5
LA9 FG4G	0	0	220	310	100	190	139.5	159.5

	J2 3P	J2 4P	J3 3P	J3 4P	J4 3P	J4 4P
LA9 FF4F	137	155.5	48.5	67	48.5	67
LA9 FG4F	137	155.5	53	73	54	69
LA9 FG4G	139.5	159.5	53	73	53	73

Product data sheet

Assembly B



- (4) 4 x Ø6.5 for LC1 F265.
- (5) Mechanical interlock guide bracket.

Assembly $\mathsf{B}^{(7)}$ - Mechanical interlock reference

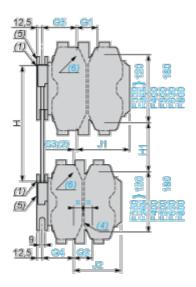
	G1 3P	G1 4P	G3 3P	G3 4P	G5 3P	G5 4P	H min.	H max.
LA9 FH4F	96	96	21	27	60	83	240	380
LA9 FJ4F	80	80	45	26	83	83	250	380
LA9 FK4F	80	140	45	26	83	83	270	380
LA9 FL4F	180	240	35	17	74	74	310	380
LA9 FH4G	96	96	19	23	60	83	250	380
LA9 FJ4G	80	80	42	22	83	83	250	380
LA9 FK4G	80	140	42	22	83	83	270	380
LA9 FL4G	180	240	33	13	74	74	310	380

	H1 min.	H1 max.	J1 3P	J1 4P	J2 3P	J2 4P	J4 3P	J4 4P
LA9 FH4F	110	250	157.5	181.5	137	155.5	48.5	67
LA9 FJ4F	80	210	144.5	192.5	137	155.5	48.5	67
LA9 FK4F	100	210	164.5	219.5	137	155.5	48.5	67
LA9 FL4F	140	210	248.5	328.5	137	155.5	48.5	67
LA9 FH4G	120	250	157.5	181.5	139.5	159.5	53	73
LA9 FJ4G	90	220	144.5	192.5	139.5	159.5	53	73
LA9 FK4G	110	220	164.5	219.5	139.5	159.5	53	73

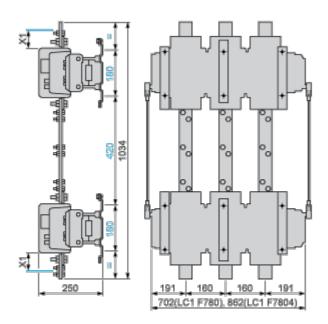
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	H1 min.	H1 max.	J1 3P	J1 4P	J2 3P	J2 4P	J4 3P	J4 4P
LA9 FL4G	150	220	248.5	328.5	139.5	159.5	53	73

Assembly C



(6) 4 x Ø8.5 for LC1 F400, F500 or 4 x Ø10.5 for LC1 F630 and F800.



- (7) Only 3P for F800.
- (8) In this case, G4 is greater than G5.

Assembly C⁽⁷⁾

Assembly C										
	G1 3P	G1 4P	G2 3P	G2 4P	G3 3P	G3 4P	G4 3P	G4 4P	G5 3P	G5 4P
LA9 FH4H	96	96	96	96	0	0	60	83	60	83
LA9 FJ4H	80	80	96	96	23	0	60	83	83	83
LA9 FK4H	80	140	96	96	23	0	60	83	83	83

Product data sheet

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	G1 3P	G1 4P	G2 3P	G2 4P	G3 3P	G3 4P	G4 3P	G4 4P	G5 3P	G5 4P
LA9 FL4H	180	240	96	96	14	9 ⁽⁸⁾	60	83	74	74
LA9 FJ4J	80	80	80	80	0	0	83	83	83	83
LA9 FK4J	80	140	80	80	0	0	83	83	83	83
LA9 FL4J	180	240	80	80	9 ⁽⁸⁾	9 ⁽⁸⁾	83	83	74	74
LA9 FK4K	80	140	80	140	0	0	83	83	83	83
LA9 FL4K	180	240	80	140	9 ⁽⁸⁾	9(8)	83	83	74	74
LA9 FL4L	180	240	180	240	0	0	74	74	74	74

	H min.	H max.	H1 min.	H1 max.	J1 3P	J1 4P	J2 3P	J2 4P
LA9 FH4H	250	380	130	260	157.5	181.5	157.5	181.5
LA9 FJ4H	260	380	110	230	144.5	192.5	157.5	181.5
LA9 FK4H	280	380	130	230	164.5	219.5	157.5	181.5
LA9 FL4H	330	380	170	220	248.5	328.5	157.5	181.5
LA9 FJ4J	260	380	60	200	144.5	192.5	144.5	192.5
LA9 FK4J	280	380	100	200	164.5	219.5	144.5	192.5
LA9 FL4J	325	380	140	195	248.5	329.5	144.5	192.5
LA9 FK4K	300	380	120	200	164.5	329.5	164.5	219.5
LA9 FL4K	345	380	160	195	248.5	328.5	164.5	219.5
LA9 FL4L	380	380	200	200	248.5	328.5	248.5	328.5

LC1F265F7

Connections and Schema

Connections and Schema

2, 3, and 4-pole Contactors



LC1 F115 to F630, F1250(coil LX1 F **)



LC1 F115 to F630 , F1250 (coil LX4 F ==)
LC1 F115 to F265 (coil LX9 F =>)
LC1 F800 (coil LX8 F => / ==)