

contactor, TeSys F, 3P(3NO), AC-3, <=440V 1000A, coil 110V AC

LC1F1000F7

Main

Range	TeSys
Range of product	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Motor control Resistive load
Utilisation category	AC-3 AC-1
Poles description	3P
[Ue] rated operational voltage	<= 440 V AC 50/60 Hz
[Uc] control circuit voltage	110 V AC 40400 Hz
[le] rated operational current	1250 A (at <40 °C) at <= 440 V AC AC-1 1000 A (at <55 °C) at <= 440 V AC AC-3

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	1250 A (at 40 °C)
Rated breaking capacity	8 kA conforming to IEC 60947-4-1
[lcw] rated short-time withstand	10000 A 40 °C - 10 s
current	7500 A 40 °C - 30 s
	5500 A 40 °C - 1 min
	4200 A 40 °C - 3 min
	3000 A 40 °C - 10 min
Associated fuse rating	1400 A gG at <= 440 V
Average impedance	0.1 mOhm - Ith 1250 A 50 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1
	1500 V conforming to VDE 0110 group C
Power dissipation per pole	200 W AC-1
Overvoltage category	III
power pole contact composition	3 NO
Maximum operating rate	600 cyc/h 55 °C
Operating time	4080 ms closing 100200 ms opening

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end	
	Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end	
	Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible with cable end	
	Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end	
	Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end	
	Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end	
	1	
	Power circuit: bar 3 cable(s)	
	Power circuit: bar 4 cable(s)	
Tightening torque	Control circuit: 1.2 N.m	
	Power circuit: 58 N.m	
Mounting support	Plate	
motor power range	315 kW at 220230 V 3 phases	
	560 kW at 380400 V 3 phases	
	630 kW at 415 V 3 phases	
	670 kW at 440 V 3 phases	
	070 KW at 440 V 5 phases	
Motor starter type	Direct on-line contactor	
Contactor coil voltage	110 V AC standard	
Standards	IEC 60947-4-1	
	IEC 60947-1	
	EN 60947-1	
	EN 60947-4-1	
	LI4 003 47 '4- 1	
Product certifications	СВ	
	CCC	
	CSA	
	UKCA	
	UNOA	
Compatibility code	LC1F	
Control circuit type	AC at 40400 Hz	

Environment

IP degree of protection	IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-6080 °C
Permissible ambient air temperature around the device	-4060 °C
Height	332 mm
Width	438 mm
Depth	238.6 mm
Operating altitude	3000 m without derating
Net weight	31 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	38.000 cm
Package 1 Width	49.000 cm
Package 1 Length	60.000 cm
Package 1 Weight	33.541 kg



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.eq.CO2 per CR, Total Life cycle)	9922
Environmental Disclosure	Product Environmental Profile

Use Better

⊗ Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration

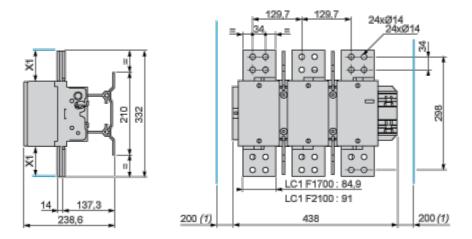
Use Again

○ 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

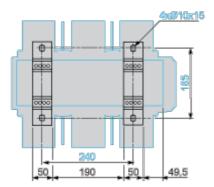
Dimensions Drawings

Dimensions and Drawings

LC1 F1000



(1) Minimum distance required for coil removal.



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

Voltage	200500 V	6901000 V
X1 (mm)	90	100

LC1F1000F7

Technical Illustration

Assembly's dimensions

