

Product datasheet

Specifications



Contact, TeSys F, 3P(3NO), AC-3 ≤440V 1000A, 110V AC coil

LC1F1000F7

Main

Range	TeSys
Range of product	TeSys F
Product or component type	Contact
Device short name	LC1F
Contact 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 40...400 Hz
[Ie] 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
[Icw] rated short-time withstand current	10000 A 40 °C - 10 s 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
Oversvoltage category	III
power pole contact composition	3 NO
Maximum operating rate	600 cyc/h 55 °C
Operating time	40...80 ms closing 100...200 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) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid without cable end 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 220...230 V 3 phases 560 kW at 380...400 V 3 phases 630 kW at 415 V 3 phases 670 kW at 440 V 3 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
Product certifications	CB CCC CSA UKCA
Compatibility code	LC1F
Control circuit type	AC at 40...400 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	-5...40 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...60 °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

Contractual warranty



Environmental Data

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

Total lifecycle Carbon footprint	9 922 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	217 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	13 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.3 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	9 635 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	57 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
SCIP Number	F040462c-f312-4a6d-9d16-164be5751a29
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer




Lifetime extension

Repair	No
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Use Again



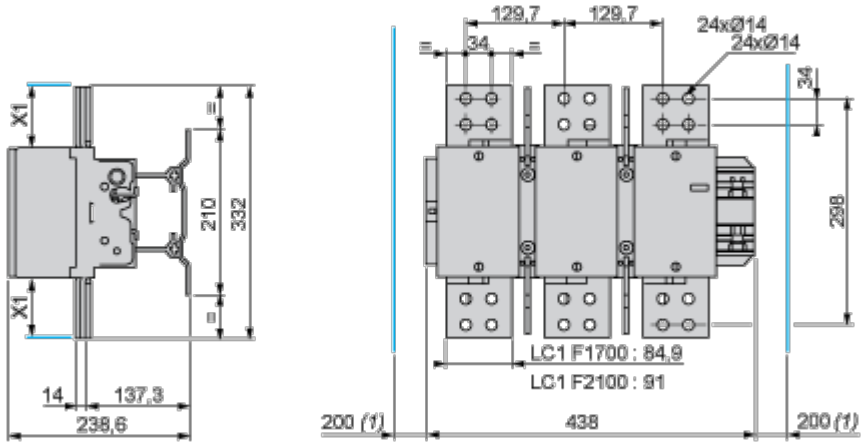
Repack and remanufacture

Recyclability potential, in %	84
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

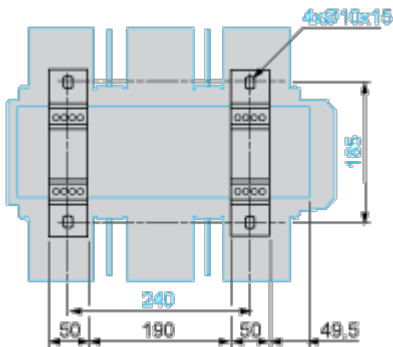
Dimensions Drawings

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	200...500 V	690...1000 V
X1 (mm)	90	100

Technical Illustration

Assembly's dimensions

