

Product datasheet

Specifications



TeSys F contactor - 3P(3 NO)-AC-1 ≤ 440V 1200 A with coil LXE - 100...250V AC 50/60Hz or 100... 380V DC

LC1SF1200

⚠ Discontinued on: Feb 27, 2026

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Main

Range	TeSys
Product name	TeSys F
Product or component type	Contacteur
Device short name	LC1SF
Contacteur application	Resistive load
Utilisation category	AC-1
Poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	≤ 690 V AC 50/60 Hz
[Ie] rated operational current	1200 A (at <40 °C) at ≤ 440 V AC-1 1110 A (at <60 °C) at ≤ 440 V AC-1 1020 A (at <70 °C) at ≤ 440 V AC-1

Complementary

[Uc] control circuit voltage	100...250 V AC 50/60 Hz with LXE coil 100...380 V DC with LXE coil
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	1200 A (at 40 °C)
Irms rated making capacity	1800 A conforming to IEC 60947-4-1
Rated breaking capacity	1800 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	8000 A 40 °C - 10 s 5200 A 40 °C - 30 s 4000 A 40 °C - 1 min 3000 A 40 °C - 3 min 2000 A 40 °C - 10 min
Associated fuse rating	1400 A gG at ≤ 440 V
Average impedance	0.1 mOhm - Ith 1200 A 50 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1
Power dissipation per pole	120 W AC-1
Control circuit voltage limits	Operational: 85...275 V AC 50/60 Hz with LXE coil Drop-out: 0...60 V AC 50/60 Hz with LXE coil Operational: 85...418 V DC with LXE coil Drop-out: 0...45 V DC with LXE coil
Heat dissipation	2.2...5.5 W

Operating time	40...80 ms closing for with LXE coil 6...54 ms opening for with LXE coil
Mounting support	Plate
Standards	EN/IEC 60947-1 EN/IEC 60947-4-1
Product certifications	CCC CB
Connections - terminals	Power circuit: bar 2 cable(s) - busbar cross section: 50 x 8 mm Control circuit: screw clamp terminals 1.0 cable(s) 0.2...2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 1.0 cable(s) 0.25...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1.0 cable(s) 0.2...2.5 mm ² solid without cable end
Tightening torque	Power circuit: 58 N.m Control circuit: 0.6 N.m
Mechanical durability	50000 cycles
Inrush power in VA	360...550 VA, 50/60 Hz cos phi 0.9 (at 20 °C)with LXE coil 410...500 VA (at 20 °C)with LXE coil
Hold-in power consumption in VA	5.0...8.0 VA, 50/60 Hz cos phi 0.9 (at 20 °C)with LXE coil 2.7...5.0 VA (at 20 °C)with LXE coil
Maximum operating rate	2400 cyc/h 55 °C
Compatibility code	LC1F

Environment

Protective treatment	TH
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...70 °C
Operating altitude	3000 m without derating
Mechanical robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor open: 6 Gn for 1/2 sine wave (11 ms) Shocks contactor closed: 15 Gn for 1/2 sine wave (11 ms)
Height	338 mm
Width	233 mm
Depth	232 mm
Product weight	12 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	30 cm
Package 1 Width	34 cm
Package 1 Length	39 cm
Package 1 Weight	14.1 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

Environmental Disclosure

[Product Environmental Profile](#)

Use Better



Materials and Substances

EU RoHS Directive

[Compliant](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins