

Product datasheet

Specifications



Contact, TeSys F, 3P(3NO), AC-1 ≤440V 1200A, coil 100...250V AC / 100...380V DC

LC1SF1200KUE

⚠ Discontinued on: Feb 27, 2026

⚠ Discontinued

Main

Range	TeSys
Range of product	TeSys F
Product or component type	Contactors
Device short name	LC1SF
Contactors application	Resistive load
Utilisation category	AC-1
Poles description	3P
[Ue] rated operational voltage	≤ 690 V AC 50/60 Hz
[Uc] control circuit voltage	100...250 V AC 50/60 Hz 100...380 V DC
[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

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	1200 A (at 40 °C)
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 mΩ - 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
Overvoltage category	III
power pole contact composition	3 NO
Irms rated making capacity	1800 A conforming to IEC 60947-4-1
Control circuit voltage limits	Operational: 85...275 V AC 50/60 Hz (at 55 °C) Operational: 85...418 V DC (at 55 °C) Drop-out: 0...58 V AC 50/60 Hz (at 55 °C) Drop-out: 0...45 V DC (at 55 °C)
Mechanical durability	50000 cycles

Inrush power in VA	360...550 VA, 50/60 Hz cos phi 0.5 (at 20 °C)
Inrush power in W	410...500 W (at 20 °C)
Hold-in power consumption in W	2.7...5 W at 20 °C
Hold-in power consumption in VA	5...8 VA, 50/60 Hz cos phi 0.5 (at 20 °C)
Maximum operating rate	1200 cyc/h 55 °C
Operating time	40...80 ms closing 10...40 ms opening
Connections - terminals	Power circuit: bar 2 cable(s) - busbar cross section: 50 x 8 mm Control circuit: screw clamp terminals 1 cable(s) 0.2...2.5 mm ² solid Control circuit: screw clamp terminals 1 cable(s) 0.2...2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 0.25...2.5 mm ² flexible with cable end
Tightening torque	Power circuit: 58 N.m Control circuit: 0.6 N.m
Mounting support	Plate
Input compatibility	PLC 24 V DC conforming to IEC 61131-2 Type 2
Input voltage limits	0...5 V off-state for PLC input 11...30 V on-state for PLC input
Heat dissipation	2.2...5.5 W
Standards	EN/IEC 60947-1 EN/IEC 60947-4-1
Product certifications	CCC CB UKCA
Compatibility code	LC1F
Control circuit type	AC at 50/60 Hz electronic DC electronic

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
Height	338 mm
Width	233 mm
Depth	232 mm
Operating altitude	3000 m without derating
Product weight	13.4 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	30.0 cm
Package 1 Width	34.0 cm
Package 1 Length	39.0 cm
Package 1 Weight	14.1 kg

Contractual warranty

Warranty (in months)

18



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	7 454 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	115 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	5 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	7 303 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	31 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
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
--------	----

Use Again



Repack and remanufacture

Recyclability potential, in %	93
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