Product data sheet

Specifications

TeSys F nonreversing contactor - 4P - Open - 600V 115A - 120VAC 60Hz Coil

LC1F1154G6L

Discontinued on: Jul 12, 2021

Discontinued

Main

Range of Product	TeSys F
Product or Component Type	Contactor
Device short name	LC1F
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Uc] control circuit voltage	120 V AC 60 Hz
[Ie] rated operational current	200 A (at <104 °F (40 °C)) at <= 440 V AC AC-1

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	200 A (at 104 °F (40 °C))
Rated breaking capacity	920 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	1100 A 104 °F (40 °C) - 10 s 640 A 104 °F (40 °C) - 30 s 520 A 104 °F (40 °C) - 1 min 400 A 104 °F (40 °C) - 3 min 320 A 104 °F (40 °C) - 10 min
Associated fuse rating	125 A aM at <= 440 V 200 A gG at <= 440 V
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	15 W AC-1
Overvoltage category	III
power pole contact composition	4 NO
motor power HP (UL / CSA)	30 hp at 200 V AC 40 hp at 230 V AC 75 hp at 460 V AC 100 hp at 575 V AC
Control circuit voltage limits	Operational 0.85...1.1 Uc 50/60 Hz 131 °F (55 °C)) Drop-out 0.35...0.55 Uc 50/60 Hz 131 °F (55 °C))
Mechanical durability	10 Mcycles
Inrush power in VA	660 VA, 60 Hz 0.3 68 °F (20 °C))
Maximum operating rate	2400 cyc/h 131 °F (55 °C)

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

Operating time	23...35 ms closing 5...15 ms opening
Connections - terminals	Power circuit 2 bars 20 x 3 mm Power circuit lugs-ring terminals 1 0.1 in² (95 mm²) Power circuit connector 1 0.1 in² (95 mm²) Control circuit screw clamp terminals 1 0.002…0.006 in² (1…4 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.002…0.006 in² (1…4 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.002…0.006 in² (1…4 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.002…0.004 in² (1…2.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.002…0.006 in² (1…4 mm²)solid without cable end Control circuit screw clamp terminals 2 0.002…0.006 in² (1…4 mm²)solid without cable end Power circuit bolted connection
Tightening torque	Power circuit 88.5 lbf.in (10 N.m) Control circuit 10.6 lbf.in (1.2 N.m)
Mounting Support	Plate
Heat dissipation	12…16 W
Standards	EN 60947-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-4-1
Product Certifications	BV ABS RINA CB CCC RMRoS UL DNV LROS (Lloyds register of shipping)
Hold-in power consumption in VA	55 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C))

Environment

IP degree of protection	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106
Protective treatment	TH
Ambient Air Temperature for Operation	-40…140 °F (-40…60 °C)
Ambient Air Temperature for Storage	-76…176 °F (-60…80 °C)
Permissible ambient air temperature around the device	140…158 °F (60…70 °C) at Uc
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed6 Gn, 5...300 Hz Shocks contactor open9 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms
Height	10.4 in (265 mm)
Width	7.9 in (200.5 mm)
Depth	6.7 in (171 mm)
Operating altitude	9842.52 ft (3000 m) without derating

Ordering and shipping details

Category	39997-CANADIAN PRODUCTS
Discount Schedule	NET

Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1

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 >

Use Better

Materials and Substances

EU RoHS Directive	Compliant

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information