

Product data sheet

Specifications



TeSys F contactor - 4P (4 NO) - AC-1 - <= 440 V 200 A - coil 110 V AC

LC1F1154F6

! Discontinued

! Discontinued on: Jul 12, 2021

! End-of-service on: Aug 2, 2021

Main

Range	TeSys
Range of product	TeSys F
Product or component type	Contactors
Device short name	LC1F
Contactors application	Resistive load
Utilisation category	AC-1
Poles description	4P
[Ue] rated operational voltage	<= 690 V AC 50/60 Hz <= 460 V DC
[Uc] control circuit voltage	110 V AC 60 Hz
[Ie] rated operational current	200 A (at <104 °F (40 °C)) at <= 440 V 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
Average impedance	0.37 mOhm - Ith 200 A 50 Hz
[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
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))
Hold-in power consumption in VA	55 VA, 60 Hz 0.3 68 °F (20 °C))

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Maximum operating rate	2400 cyc/h 131 °F (55 °C)
Operating time	23...35 ms closing 5...15 ms opening
Connections - terminals	Power circuit bar 2 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
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	IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-1 EN 60947-4-1
Product certifications	RMRoS CCC DNV LROS (Lloyds register of shipping) ABS UL BV CB RINA
Compatibility code	LC1F
Control circuit type	AC 60 Hz

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
Height	6.4 in (162 mm)
Width	7.9 in (200.5 mm)
Depth	6.7 in (171 mm)
Operating altitude	3000 m without derating
Net weight	8.44 lb(US) (3.83 kg)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Package 1 Height	8.5 in (21.5 cm)
Package 1 Width	8.7 in (22 cm)
Package 1 Length	10.4 in (26.5 cm)
Package 1 Weight	10.63 lb(US) (4.82 kg)

Contractual warranty

Warranty (in months)	18
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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
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins