Product datasheet

Specification





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

LC1F1154FD

! Discontinued on: 11 Jan 2023

(!) Discontinued

EAN Code: 3389118093386

Main

Range	TeSys
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	<= 690 V AC 50/60 Hz <= 460 V DC
[Uc] Control Circuit Voltage	110 V DC
[le] Rated Operational Current	200 A (at <40 °C) at <= 440 V AC-1

Complementary

Complementary	
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	200 A (at 40 °C)
Rated Breaking Capacity	920 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	1100 A 40 °C - 10 s 640 A 40 °C - 30 s 520 A 40 °C - 1 min 400 A 40 °C - 3 min 320 A 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 conforming to IEC 60947-4-1 1500 V conforming to 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: 0.851.1 Uc (at 55 °C) Drop-out: 0.150.2 Uc (at 55 °C)
Mechanical Durability	10 Mcycles
Inrush Power In W	560 W (at 20 °C)
Hold-In Power Consumption In W	4.5 W at 20 °C

Maximum Operating Rate	2400 cyc/h 55 °C
Operating Time	3040 ms closing 3050 ms opening
Connections - Terminals	Power circuit: bar 2 cable(s) - busbar cross section: 20 x 3 mm Power circuit: lugs-ring terminals 1 cable(s) 95 mm² Power circuit: connector 1 cable(s) 95 mm² Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end Power circuit: bolted connection
Tightening Torque	Power circuit: 10 N.m Control circuit: 1.2 N.m
Mounting Support	Plate
Heat Dissipation	4.5 W
Standards	EN 60947-1 IEC 60947-4-1 EN 60947-4-1 JIS C8201-4-1 IEC 60947-1
Product Certifications	UL CCC LROS (Lloyds register of shipping) RINA BV CB DNV RMRoS ABS
Compatibility Code	LC1F
Control Circuit Type	DC standard
Environment	
Ip Degree Of Protection	IP2X front face with shrouds conforming to IEC 60529 IP2X front face with shrouds conforming to VDE 0106
Protective Treatment	тн
Ambient Air Temperature For Operation	-4060 °C
Ambient Air Temperature For	60 80 %

Ip Degree Of Protection	IP2X front face with shrouds conforming to IEC 60529 IP2X front face with shrouds conforming to VDE 0106
Protective Treatment	ТН
Ambient Air Temperature For Operation	-4060 °C
Ambient Air Temperature For Storage	-6080 °C
Permissible Ambient Air Temperature Around The Device	6070 °C at Uc
Height	162 mm
Width	200.5 mm
Depth	171 mm
Operating Altitude	3000 m without derating
Net Weight	3.83 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Varranty	18 months	
-----------------	-----------	--



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

Eu Rohs Directive	Compliant	
	EU RoHS Declaration	
China Rohs Regulation	China RoHS declaration	
	Product out of China RoHS scope. Substance declaration for your information	
Environmental Disclosure	Product Environmental Profile	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
Circularity Profile	End of Life Information	