# Product data sheet

Specification





# TeSys F contactor - 4P (4 NO) - AC-1 - <= 440 V 200 A - coil 220 V DC

LC1F1154MD

! To be discontinued on: Jun 30, 2024

#### ① Discontinued

#### 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	220 V DC
[le] 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 0.851.1 Uc 131 °F (55 °C)) Drop-out 0.150.2 Uc 131 °F (55 °C))
Mechanical Durability	10 Mcycles
Inrush Power In W	560 W 68 °F (20 °C))
Hold-In Power Consumption In W	4.5 W 68 °F (20 °C)

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

Maximum Operating Rate	2400 cyc/h 131 °F (55 °C)
Operating Time	3040 ms closing 3050 ms opening
Connections - Terminals	Power circuit bar 2 20 x 3 mm  Power circuit lugs-ring terminals 1 0.15 in² (95 mm²)  Power circuit connector 1 0.15 in² (95 mm²)  Control circuit screw clamp terminals 1 0.000.01 in² (14 mm²)flexible without cable end  Control circuit screw clamp terminals 2 0.000.01 in² (14 mm²)flexible without cable end  Control circuit screw clamp terminals 1 0.000.01 in² (14 mm²)flexible with cable end  Control circuit screw clamp terminals 2 0.000.00 in² (12.5 mm²)flexible with cable end  Control circuit screw clamp terminals 1 0.000.01 in² (14 mm²)solid without cable end  Control circuit screw clamp terminals 2 0.000.01 in² (14 mm²)solid without cable end  Control circuit screw clamp terminals 2 0.000.01 in² (14 mm²)solid without cable end  Power circuit bolted connection
ightening Torque	Power circuit 88.51 lbf.in (10 N.m) Control circuit 10.62 lbf.in (1.2 N.m)
Mounting Support	Plate
Heat Dissipation	4.5 W
Standards	JIS C8201-4-1 EN 60947-1 IEC 60947-4-1 IEC 60947-1 EN 60947-4-1
Product Certifications	ABS UL DNV CCC CB RMRoS RINA BV LROS (Lloyds register of shipping) UKCA
Compatibility Code	LC1F
Control Circuit Type	DC standard

#### **Environment**

Ip Degree Of Protection	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106
Protective Treatment	тн
Ambient Air Temperature For Operation	-40140 °F (-4060 °C)
Ambient Air Temperature For Storage	-76176 °F (-6080 °C)
Permissible Ambient Air Temperature Around The Device	140158 °F (6070 °C) at Uc
Height	6.38 in (162 mm)
Width	7.89 in (200.5 mm)
Depth	6.73 in (171 mm)
Operating Altitude	9842.52 ft (3000 m) without derating
Net Weight	8.44 lb(US) (3.83 kg)

# Ordering and shipping details

Category 22331-CTR,F-LINE,DC,OPEN,NONREV

Discount Schedule	112
Gtin	3389118093423
Returnability	No

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.66 in (22.0 cm)
Package 1 Width	8.46 in (21.5 cm)
Package 1 Length	10.43 in (26.5 cm)
Package 1 Weight	10.69 lb(US) (4.85 kg)

# **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium

**Green Premium**<sup>TM</sup> **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-CO<sub>2</sub> products.

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

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

#### Well-being performance



Mercury Free



Rohs Exemption Information

Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
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