

# Product data sheet

Specifications



## TeSys F contactor - 4P (4 NO) - AC-1 - <= 440 V 250 A - coil 125 V DC

LC1F1504GD

⚠ 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	125 V DC
[Ie] Rated Operational Current	250 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	250 A (at 104 °F (40 °C))
Rated Breaking Capacity	1200 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	1200 A 104 °F (40 °C) - 10 s 700 A 104 °F (40 °C) - 30 s 600 A 104 °F (40 °C) - 1 min 450 A 104 °F (40 °C) - 3 min 350 A 104 °F (40 °C) - 10 min
Associated Fuse Rating	160 A aM at <= 440 V 250 A gG at <= 440 V
Average Impedance	0.35 mOhm - Ith 250 A 50 Hz
[Ui] Rated Insulation Voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power Dissipation Per Pole	22 W AC-1
Overvoltage Category	III
Power Pole Contact Composition	4 NO
Control Circuit Voltage Limits	Operational 0.85...1.1 Uc 131 °F (55 °C) Drop-out 0.15...0.2 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.

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	30...40 ms closing 30...50 ms opening
Connections - Terminals	Control circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in² (1...4 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²)solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in² (1...4 mm²)solid without cable end Power circuit bar 2 25 x 3 mm Power circuit lugs-ring terminals 1 0.19 in² (120 mm²) Power circuit connector 1 0.19 in² (120 mm²) Power circuit bolted connection
Tightening Torque	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 159.31 lbf.in (18 N.m)
Mounting Support	Plate
Heat Dissipation	4.5 W
Standards	EN 60947-4-1 JIS C8201-4-1 IEC 60947-1 EN 60947-1 IEC 60947-4-1
Product Certifications	ABS UL LROS (Lloyds register of shipping) CB DNV CCC BV RMRoS RINA
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	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	6.69 in (170 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
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Discount Schedule	I12
Gtin	3389118093942
Returnability	No

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.27 in (21 cm)
Package 1 Width	8.66 in (22 cm)
Package 1 Length	10.24 in (26 cm)
Package 1 Weight	10.91 lb(US) (4.95 kg)

## Contractual warranty

Warranty	18 months
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# Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class 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.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.