

# Product data sheet

Specifications



## TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 150 A - coil 110V AC

LC1F150F7

⚠ Discontinued on: Jun 15, 2023

⚠ Discontinued

Product availability: Stock - Normally stocked in distribution facility

### Main

Range	TeSys
Range Of Product	TeSys F
Product Or Component Type	Contactor
Device Short Name	LC1F
Contactor Application	Motor control Resistive load
Utilisation Category	AC-4 AC-1 AC-3
Poles Description	3P
[Ue] Rated Operational Voltage	<= 690 V AC 50/60 Hz <= 460 V DC
[Uc] Control Circuit Voltage	110 V AC 40...400 Hz
[Ie] Rated Operational Current	250 A (at <104 °F (40 °C)) at <= 440 V AC-1 150 A (at <131 °F (55 °C)) at <= 440 V AC-3

### 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 8 W AC-3
Overtoltage Category	III
Power Pole Contact Composition	3 NO

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

<b>Motor Power Kw</b>	75 kW at 380...400 V AC 50/60 Hz (AC-3) 80 kW at 415 V AC 50/60 Hz (AC-3) 80 kW at 440 V AC 50/60 Hz (AC-3) 90 kW at 500 V AC 50/60 Hz (AC-3) 100 kW at 660...690 V AC 50/60 Hz (AC-3) 40 kW at 220...230 V AC 50/60 Hz (AC-3) 22 kW at 400 V AC 50/60 Hz (AC-4)
<b>Control Circuit Voltage Limits</b>	Operational 0.85...1.1 Uc 40...400 Hz 131 °F (55 °C)) Drop-out 0.2...0.55 Uc 40...400 Hz 131 °F (55 °C))
<b>Mechanical Durability</b>	10 Mcycles
<b>Inrush Power In Va</b>	770 VA, 40...400 Hz 0.9 68 °F (20 °C))
<b>Hold-In Power Consumption In Va</b>	8.1 VA, 40...400 Hz 0.9 68 °F (20 °C))
<b>Maximum Operating Rate</b>	2400 cyc/h 131 °F (55 °C)
<b>Operating Time</b>	35 ms closing at Uc) 130 ms opening at Uc)
<b>Connections - Terminals</b>	Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end Power circuit bar 2 25 x 3 mm Power circuit lugs-ring terminals 1 0.19 in <sup>2</sup> (120 mm <sup>2</sup> ) Power circuit connector 1 0.19 in <sup>2</sup> (120 mm <sup>2</sup> ) Power circuit bolted connection
<b>Tightening Torque</b>	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 159.31 lbf.in (18 N.m)
<b>Mounting Support</b>	Plate
<b>Heat Dissipation</b>	5.9...7.2 W
<b>Standards</b>	IEC 60947-4-1 EN 60947-1 JIS C8201-4-1 IEC 60947-1 EN 60947-4-1
<b>Product Certifications</b>	LROS (Lloyds register of shipping) ABS BV CCC CB RMRoS DNV UL RINA UKCA
<b>Compatibility Code</b>	LC1F
<b>Control Circuit Type</b>	AC 40...400 Hz

## Environment

<b>Ip Degree Of Protection</b>	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106
<b>Protective Treatment</b>	TH
<b>Ambient Air Temperature For Operation</b>	-40...140 °F (-40...60 °C)
<b>Ambient Air Temperature For Storage</b>	-76...176 °F (-60...80 °C)

<b>Permissible Ambient Air Temperature Around The Device</b>	140...158 °F (60...70 °C) at Uc
<b>Height</b>	6.69 in (170 mm)
<b>Width</b>	6.44 in (163.5 mm)
<b>Depth</b>	6.73 in (171 mm)
<b>Operating Altitude</b>	9842.52 ft (3000 m) without derating
<b>Net Weight</b>	7.56 lb(US) (3.43 kg)

## Ordering and shipping details

<b>Category</b>	US10I1222336
<b>Discount Schedule</b>	0112
<b>Gtin</b>	3389110350951
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	CZ

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	8.27 in (21.000 cm)
<b>Package 1 Width</b>	7.87 in (20.000 cm)
<b>Package 1 Length</b>	9.84 in (25.000 cm)
<b>Package 1 Weight</b>	8.88 lb(US) (4.030 kg)
<b>Unit Type Of Package 2</b>	P06
<b>Number Of Units In Package 2</b>	18
<b>Package 2 Height</b>	29.53 in (75.000 cm)
<b>Package 2 Width</b>	23.62 in (60.000 cm)
<b>Package 2 Length</b>	31.50 in (80.000 cm)
<b>Package 2 Weight</b>	178.66 lb(US) (81.040 kg)

## Contractual warranty

<b>Warranty</b>	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 >](#)



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](#)

**California Proposition 65** **WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)