

# Product data sheet

Specifications



## Contactor body, TeSys F, 3P(3NO), AC-3, <=440V 115A, without coil

LC1F115

⚠ To be discontinued on: Dec 31, 2025

⚠ Discontinued

Product availability: Stock - Normally stocked in distribution facility

Price\*: 401.00 USD

### Main

|                                |   |
|--------------------------------|---|
| Range                          | TeSys   |
| Product Name                   | TeSys F   |
| Product Or Component Type      | Contactors  |
| Device Short Name              | LC1F  |
| Contactors Application         | Resistive load<br>Motor control   |
| Utilisation Category           | AC-1<br>AC-4<br>AC-3  |
| Poles Description              | 3P  |
| Power Pole Contact Composition | 3 NO  |
| [Ue] Rated Operational Voltage | <= 690 V AC 50/60 Hz<br><= 460 V DC   |
| [Ie] Rated Operational Current | 200 A 104 °F (40 °C) <= 440 V AC-1<br>115 A 131 °F (55 °C) <= 440 V AC-3  |
| Motor Power Kw                 | 55 kW at 380...400 V AC 50/60 Hz (AC-3)<br>59 kW at 415 V AC 50/60 Hz (AC-3)<br>59 kW at 440 V AC 50/60 Hz (AC-3)<br>75 kW at 500 V AC 50/60 Hz (AC-3)<br>30 kW at 220...240 V AC 50/60 Hz (AC-3)<br>80 kW at 660...690 V AC 50/60 Hz (AC-3)<br>18.5 kW at 400 V AC 50/60 Hz (AC-4) |

### Complementary

|   |  |
|---|--|
| [Uc] Control Circuit Voltage                | 24...575 V AC 40...400 Hz with LX9 coil<br>24...460 V DC with LX4 coil<br>100...250 V AC 50/60 Hz with LXE coil<br>100...380 V DC with LXE coil              |
| [Uimp] Rated Impulse Withstand Voltage      | 8 kV   |
| Overvoltage Category                        | III  |
| [Ith] Conventional Free Air Thermal Current | 200 A (at 104 °F (40 °C))  |
| Irms Rated Making Capacity                  | 1150 A conforming to IEC 60947-4-1   |
| 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<br>640 A 104 °F (40 °C) - 30 s<br>520 A 104 °F (40 °C) - 1 min<br>400 A 104 °F (40 °C) - 3 min<br>320 A 104 °F (40 °C) - 10 min |

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

|                                       |  |
|---------------------------------------|--|
| <b>Associated Fuse Rating</b>         | 125 A aM at ≤ 440 V<br>200 A gG at ≤ 440 V   |
| <b>Average Impedance</b>              | 0.37 mOhm - lth 200 A 50 Hz  |
| <b>[Ui] Rated Insulation Voltage</b>  | 1000 V IEC 60947-4-1<br>1500 V VDE 0110 group C  |
| <b>Power Dissipation Per Pole</b>     | 15 W AC-1<br>5 W AC-3  |
| <b>Control Circuit Voltage Limits</b> | Operational: 0.85...1.1 Uc AC 40...400 Hz with LX9 coil<br>Drop-out: 0.2...0.55 Uc AC 40...400 Hz with LX9 coil<br>Operational: 0.85...1.1 Uc DC with LX4 coil<br>Drop-out: 0.15...0.2 Uc DC with LX4 coil<br>Operational: 85...275 V AC 50/60 Hz with LXE coil<br>Drop-out: 0...60 V AC 50/60 Hz with LXE coil<br>Operational: 85...418 V DC with LXE coil<br>Drop-out: 0...45 V DC with LXE coil   |
| <b>Heat Dissipation</b>               | 5.9...7.2 W<br>2.2...5.5 W   |
| <b>Operating Time</b>                 | 35 ms closing with LX9 coil<br>130 ms opening with LX9 coil<br>30...40 ms closing with LX4 coil<br>30...50 ms opening with LX4 coil<br>40...80 ms closing with LXE coil<br>6...54 ms opening with LXE coil   |
| <b>Mounting Support</b>               | Plate  |
| <b>Standards</b>                      | EN 60947-1<br>JIS C8201-4-1<br>IEC 60947-4-1<br>EN 60947-4-1<br>IEC 60947-1  |
| <b>Product Certifications</b>         | RINA<br>ABS<br>CSA<br>DNV<br>RMRoS<br>BV<br>LROS (Lloyds register of shipping)<br>UL<br>CB<br>UKCA   |
| <b>Connections - Terminals</b>        | Power circuit lugs-ring terminals 1 0.15 in <sup>2</sup> (95 mm <sup>2</sup> )<br>Power circuit connector 1 0.15 in <sup>2</sup> (95 mm <sup>2</sup> )<br>Power circuit bar 2 20 x 3 mm<br>Power circuit bolted connection<br>Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end<br>Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible with cable end<br>Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible with cable end<br>Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )solid without cable end<br>Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )<br>Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )<br>Control circuit screw clamp terminals 1.0 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> )flexible without cable end<br>Control circuit screw clamp terminals 1.0 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> )flexible with cable end<br>Control circuit screw clamp terminals 1.0 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> )solid without cable end |
| <b>Tightening Torque</b>              | Power circuit 88.51 lbf.in (10 N.m)<br>Control circuit 10.62 lbf.in (1.2 N.m)<br>Control circuit 5.31 lbf.in (0.6 N.m)   |
| <b>Mechanical Durability</b>          | 10 Mcycles   |
| <b>Inrush Power In Va</b>             | 590...855 VA, 40...400 Hz cos phi 0.9 (at 68 °F (20 °C))with LX9 coil<br>543...665 VA (at 68 °F (20 °C))with LX4 coil<br>280...310 VA, 50/60 Hz cos phi 0.5 (at 68 °F (20 °C))with LXE coil<br>270...320 VA (at 68 °F (20 °C))with LXE coil  |

|  |   |
|--|---|
| <b>Hold-In Power Consumption In Va</b> | 6.6...8.1 VA, 40...400 Hz cos phi 0.9 (at 68 °F (20 °C))with LX9 coil<br>3.94...4.83 VA (at 68 °F (20 °C))with LX4 coil<br>4.5...7.0 VA, 50/60 Hz cos phi 0.5 (at 68 °F (20 °C))with LXE coil<br>2.5...4.0 VA (at 68 °F (20 °C))with LXE coil |
| <b>Maximum Operating Rate</b>          | 2400 cyc/h 131 °F (55 °C)   |
| <b>Compatibility Code</b>              | LC1F  |

## Environment

|  |   |
|--|---|
| <b>IP Degree Of Protection</b>                               | IP2X front face with shrouds IEC 60529<br>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>Operating Altitude</b>                                    | 9842.52 ft (3000 m) without derating  |
| <b>Mechanical Robustness</b>                                 | Vibrations contactor open2 Gn, 5...300 Hz<br>Vibrations contactor closed6 Gn, 5...300 Hz<br>Shocks contactor open9 Gn for 1/2 sine wave (11 ms)<br>Shocks contactor closed15 Gn for 1/2 sine wave (11 ms) |
| <b>Height</b>  | 6.38 in (162 mm)  |
| <b>Width</b>   | 6.44 in (163.5 mm)  |
| <b>Depth</b>   | 6.73 in (171 mm)  |
| <b>Net Weight</b>  | 8.44 lb(US) (3.83 kg)   |

## Ordering and shipping details

|                          |               |
|--------------------------|---------------|
| <b>Category</b>          | US10I1222336  |
| <b>Discount Schedule</b> | 0112          |
| <b>Gtin</b>              | 3389110122213 |
| <b>Returnability</b>     | Yes           |
| <b>Country Of Origin</b> | FR            |

## Packing Units

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Unit Type Of Package 1</b>       | PCE                       |
| <b>Number Of Units In Package 1</b> | 1                         |
| <b>Package 1 Height</b>             | 8.66 in (22.000 cm)       |
| <b>Package 1 Width</b>              | 7.87 in (20.000 cm)       |
| <b>Package 1 Length</b>             | 9.65 in (24.500 cm)       |
| <b>Package 1 Weight</b>             | 7.76 lb(US) (3.522 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>             | 158.50 lb(US) (71.896 kg) |

# Contractual warranty

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Warranty

18 months

## 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)