# Product data sheet

Specifications

Green Premium™

## TeSys F contactor - 4P (4 NO) - AC-1 - <= 440 V 200 A - coil 380 V AC

LC1F1154Q5

Discontinued on: Jul 12, 2021

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<br><= 460 V DC |
| **[Uc] Control Circuit Voltage** | 380 V AC 50 Hz |
| **[Ie] Rated Operational Current** | 200 A (at <104 °F (40 °C)) at <= 440 V AC-1 |

## Complementary

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|---|---|
| **[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<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 |
| **Associated Fuse Rating** | 125 A aM at <= 440 V<br>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<br>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 0.85...1.1 Uc 50/60 Hz 131 °F (55 °C))<br>Drop-out 0.35...0.55 Uc 50/60 Hz 131 °F (55 °C)) |
| **Mechanical Durability** | 10 Mcycles |
| **Inrush Power In Va** | 550 VA, 50 Hz 0.3 68 °F (20 °C)) |
| **Hold-In Power Consumption In Va** | 45 VA, 50 Hz 0.3 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** | 23...35 ms closing<br>5...15 ms opening |
| **Connections - Terminals** | Power circuit bar 2 20 x 3 mm<br>Power circuit lugs-ring terminals 1 0.15 in² (95 mm²)<br>Power circuit connector 1 0.15 in² (95 mm²)<br>Control circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²)flexible without cable end<br>Control circuit screw clamp terminals 2 0.00…0.01 in² (1…4 mm²)flexible without cable end<br>Control circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²)flexible with cable end<br>Control circuit screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²)flexible with cable end<br>Control circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²)solid without cable end<br>Control circuit screw clamp terminals 2 0.00…0.01 in² (1…4 mm²)solid without cable end<br>Power circuit bolted connection |
| **Tightening Torque** | Power circuit 88.51 lbf.in (10 N.m)<br>Control circuit 10.62 lbf.in (1.2 N.m) |
| **Mounting Support** | Plate |
| **Heat Dissipation** | 12…16 W |
| **Standards** | IEC 60947-1<br>EN 60947-4-1<br>JIS C8201-4-1<br>IEC 60947-4-1<br>EN 60947-1 |
| **Product Certifications** | UL<br>LROS (Lloyds register of shipping)<br>CCC<br>ABS<br>DNV<br>BV<br>RINA<br>CB<br>RMRoS |
| **Compatibility Code** | LC1F |
| **Control Circuit Type** | AC 50 Hz |

## Environment

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|---|---|
| **Ip Degree Of Protection** | IP2X front face with shrouds IEC 60529<br>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** | 6.38 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

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|---|---|
| **Category** | 22336-CTR,F-LINE,AC,OPEN,NONREV |

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|---|---|
| **Discount Schedule** | I12 |
| **Gtin** | 3389118093447 |
| **Returnability** | No |
| **Country Of Origin** | CZ |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 8.66 in (22 cm) |
| **Package 1 Width** | 8.46 in (21.5 cm) |
| **Package 1 Length** | 10.43 in (26.5 cm) |
| **Package 1 Weight** | 10.63 lb(US) (4.82 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-$CO_2$ 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

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|---|---|
| Rohs Exemption Information | Yes |

## Certifications & Standards

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|---|---|
| **Eu Rohs Directive** | Compliant<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration<br>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 |