Product data sheet

Specifications





() Discontinued

TeSys F contactor - 3P (3 NO) -AC-3 - <= 440 V 330 A - coil 380 V AC

LC1F330Q7

() Discontinued on: Jun 15, 2023

Product availability: Non-Stock - Not 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 | <= 1000 V AC 50/60 Hz <= 460 V DC |
| [Uc] Control Circuit Voltage | 380 V AC 40400 Hz |
| [Ie] Rated Operational Current | 400 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 330 A (at <131 °F (55 °C)) at <= 440 V AC AC-3 |

Complementary

| [Uimp] Rated Impulse Withstand Voltage | 8 kV |
|--|--|
| [Ith] Conventional Free Air Thermal Current | 400 A (at 104 °F (40 °C)) |
| Rated Breaking Capacity | 2640 A conforming to IEC 60947-4-1 |
| [Icw] Rated Short-Time Withstand Current | 2650 A 104 °F (40 °C) - 10 s 1800 A 104 °F (40 °C) - 30 s 1300 A 104 °F (40 °C) - 1 min 900 A 104 °F (40 °C) - 3 min 750 A 104 °F (40 °C) - 10 min |
| Associated Fuse Rating | 400 A aM at <= 440 V 500 A gG at <= 440 V |
| Average Impedance | 0.28 mOhm - Ith 400 A 50 Hz |
| [Ui] Rated Insulation Voltage | 1000 V IEC 60947-4-1 1500 V VDE 0110 group C |
| Power Dissipation Per Pole | 44 W AC-1 31 W AC-3 |
| Overvoltage 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.

| 189 kW at 415 V AC 2006 Hz (AC-3) 200 kW at A0 V AC 2006 Hz (AC-3) 200 kW at 200 V AC 5060 Hz (AC-3) 201 kW at 200 V AC 5060 Hz (AC-3) 201 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-3) 100 kW at 200 V AC 5060 Hz (AC-4) Maximum Operating Rate 200 cych 131 °F (55 °C) Operating Time 4065 ms obeging 100170 ms opening Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible without cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in | | |
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| 180 KW at 415 V AC 5000 Hz (AC-3) 200 KW at 40 V AC 5000 Hz (AC-3) 200 KW at 600 V AC 5000 Hz (AC-3) 160 KW at 1000 V AC 5000 Hz (AC-3) 160 KW at 1000 V AC 5000 Hz (AC-3) 160 KW at 1000 V AC 5000 Hz (AC-3) 59 KW at 400 V AC 5000 Hz (AC-3) 160 KW at 1000 V AC 5000 Hz (AC-3) 59 KW at 400 V AC 5000 Hz (AC-3) 170 KW at 200 V AC 5000 Hz (AC-3) 180 KW at 4100 V AC 5000 Hz (AC-3) 180 KW at 4100 V AC 5000 Hz (AC-3) 180 KW at 415 V AC 5000 Hz (AC-3) 180 KW at 415 V AC 5000 Hz (AC-3) 180 KW at 415 V AC 5000 Hz (AC-3) 180 KW at 415 V AC 5000 Hz (AC-3) 180 KW at 415 V AC 5000 Hz (AC-3) 180 KW at 415 V AC 5000 Hz (AC-3) 180 KW at 415 V AC 5000 Hz (AC-3) 180 KW at 4100 V AC 5000 Hz (AC-3) 180 KW at 4100 V AC 5000 Hz (AC-3) 180 KW at 4100 V AC 5000 Hz (AC-3) 190 KA, 40400 Hz 0.9 68 °F (20 °C)) Maximum Operating Rate 2400 cych 131 °F (55 °C) Operating Time 4065 m sclosing 10010 1 m² (14 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.0000 1 m² (14 mm²)flexible with cable end Control cir | Motor Power Kw | 160 kW at 380400 V AC 50/60 Hz (AC-3) |
| 200 KW at 440 V AC 5080 Hz (AC-3) 200 KW at 680. AC 5080 Hz (AC-3) 200 KW at 680. VAC 5080 Hz (AC-3) 156 KW at 1000 VAC 5080 Hz (AC-3) 156 KW at 1000 VAC 5080 Hz (AC-3) 150 KW at 220230 VAC 5080 Hz (AC-3) 150 KW at 220230 VAC 5080 Hz (AC-3) 150 KW at 220230 VAC 5080 Hz (AC-3) 150 KW at 400 VAC 5060 Hz (AC-3) 150 KW at 440 VAC 5060 Hz (AC-3) | | |
| 200 KW at 500 V AC 5060 Hz (AC-3) 200 KW at 600 V AC 5060 Hz (AC-3) 100 KW at 2000 V AC 5060 Hz (AC-3) 59 KW at 400 V AC 5060 Hz (AC-3) 59 KW at 400 V AC 5060 Hz (AC-3) Control Circuit Voltage Limits Operational 0.85 . 1.1 U c 40 . 400 Hz 131 °F (55 °C)) Mechanical Durability 10 Mcycles Inrush Power In Va 650 VA, 40400 Hz 0.9 68 °F (20 °C)) Hold-In Power Consumption In Va 10 VA, 40400 Hz 0.9 68 °F (20 °C)) Maximum Operating Rate 2400 cych 131 °F (55 °C) Operating Time 4065 ms closing 100170 ms opening Control circuit screw clamp terminals 1 0.00001 in² (14 mm³)flexible without cable end Control circuit screw clamp terminals 2 0.00001 in² (14 mm³)flexible without cable end Control circuit screw clamp terminals 1 0.00001 in² (14 mm³)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in² (14 mm³)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in² (14 mm³)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in² (14 mm³)solid without cable end Control circuit screw clamp terminals 1 0.00001 in² (14 mm³)solid without cable end Control circuit screw clamp terminals 1 0.00001 in² (14 mm³)solid without cable end Control circuit screw clamp terminals 2 0.00001 in² (14 mm³)solid without cable end Control circuit screw clamp terminals 1 0.37 in² (240 mm³) Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60047-4 1 EC 60047-1 EN 60047-1 < | | |
| 220 kW at 680600 V AC 50/60 Hz (AC-3) 100 kW at 220230 V AC 50/60 Hz (AC-3) 30 kW at 400 V AC 50/60 Hz (AC-3) Control Circuit Voltage Limits Operational 0.851.1 U d 40400 Hz 131 "F (55 °C)) Drop-out 0.350.55 U c 40400 Hz 131 "F (55 °C)) Mechanical Durability 10 Mcycles Inrush Power In Va 650 VA. 40400 Hz 0.9 68 "F (20 °C)) Hold-In Power Consumption In Va 10 VA. 40400 Hz 0.9 68 "F (20 °C)) Maximum Operating Rate 2400 cych 131 "F (55 °C) Operationg Time 4065 ms closing 100170 ms opening Connections - Terminals Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible without cable and Control circuit screw clamp terminals 2 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 2 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible with cable end Control circuit screw clamp terminals 1 0.00001 in* (14 mm*)flexible without cable end Control circuit screw clamp terminals 1 0.00001 | | |
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| 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 Power circuit lugs-ring terminals 1 0.37 in² (240 mm²) Power circuit bolted connection Tightening Torque Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 IEC 60947-4-1 IEC 60947-4-1 IEC 60947-1 Product Certifications BV CCC UL CB RINA ABS RMROS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | Control circuit screw clamp terminals 1 0.000.01 in² (14 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 Power circuit lugs-ring terminals 1 0.37 in² (240 mm²) Power circuit bolted connection Tightening Torque Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 IEC 60947-4-1 IEC 60947-1 JIS C8201-4-1 EN 60947-1 JIS C8201-4-1 EN 60947-1 JIS C8201-4-1 EN 60947-1 DIS C8201-4-1 EN 60947-1 </td <td></td> | | |
| end Control circuit screw clamp terminals 2 0.000.01 in² (14 mm²)solid without cable end Power circuit lugs-ring terminals 1 0.37 in² (240 mm²) Power circuit bar 2 30 x 5 mm Power circuit botted connection Power circuit botted connection Tightening Torque Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 309.78 lbf.in (35 N.m) Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4.1 IEC 60947-4.1 IEC 60947-1 JIS C82014-4.1 EN 60947-1 Standards BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA | | |
| Control circuit screw clamp terminals 2 0.000.01 in² (14 mm²)solid without cable end Power circuit lugs-ring terminals 1 0.37 in² (240 mm²) Power circuit botted connection Tightening Torque Control circuit 10.62 lbf, in (1.2 N.m) Power circuit 309.78 lbf, in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 IEC 60947-1 JIS C8201-4-1 EN 60947-1 BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV DNV UKCA | | Control circuit screw clamp terminals 1 0.000.01 in² (14 mm²)solid without cable |
| end Power circuit lugs-ring terminals 1 0.37 in² (240 mm²) Power circuit bolted connection Power circuit bolted connection Tightening Torque Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 309.78 lbf.in (35 N.m) Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-1 JIS C8201-4-1 EN 60947-1 JIS C8201-4-1 EN 60947-1 UL Standards BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV DNV UKCA | | end |
| Power circuit lugs-ring terminals 1 0.37 in² (240 mm²) Power circuit bar 2 30 x 5 mm Power circuit bolted connection Tightening Torque Control circuit 10.62 lbf.in (1.2 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 IEC 60947-4-1 IEC 60947-4-1 IEC 60947-4-1 JS C8201-4-1 EN 60947-4-1 EN 60947-4-1 EC 60947-4-1 IEC 60947-4-1 EC 60947-4-1 IEC 60947-4-1 EC 60947-4-1 Standards EN 60947-4-1 IEC 60947-4-1 EC 60947-4-1 IEC 60947-1 JS C8201-4-1 EN 60947-1 EN 60947-4-1 EN 60947-4 EN 60947-4-1 EN 60947-4 EN 60947-4-1 EN 60947-4 EN 60947-4 UKCA EN 60947-4 | | Control circuit screw clamp terminals 2 0.000.01 in ² (14 mm ²)solid without cable |
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| Power circuit bolted connection Tightening Torque Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 IEC 60947-4-1 IEC 60947-1 Product Certifications BV CCC UL CB RINA ABS RMROS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | Power circuit lugs-ring terminals 1 0.37 in ² (240 mm ²) |
| Tightening Torque Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 IEC 60947-4-1 IEC 60947-1 JIS C8201-4-1 EN 60947-1 Product Certifications BV CCC CC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | Power circuit bar 2 30 x 5 mm |
| Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 IEC 60947-1 JIS C8201-4-1 EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | Power circuit bolted connection |
| Power circuit 309.78 lbf.in (35 N.m) Mounting Support Plate Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 IEC 60947-1 JIS C8201-4-1 EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | Control circuit 10 62 lbf in (1 2 N m) |
| Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | 5 | |
| Heat Dissipation 8 W Standards EN 60947-4-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | Mounting Support | Plata |
| Standards EN 60947-4-1 IEC 60947-4 IEC 60947-4 IEC 60947-4 JIS C8201-4-1 EN 60947-1 EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | |
| IEC 60947-4-1 IEC 60947-1 JIS C8201-4-1 EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA | Heat Dissipation | 8 W |
| IEC 60947-1 JIS C8201-4-1 EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA | Standards | EN 60947-4-1 |
| JIS C8201-4-1 EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | IEC 60947-4-1 |
| EN 60947-1 Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | IEC 60947-1 |
| Product Certifications BV CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA UKCA | | JIS C8201-4-1 |
| CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | EN 60947-1 |
| CCC UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | Product Certifications | BV |
| UL CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | Froduct Certifications | |
| CB RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | |
| RINA ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | |
| ABS RMRoS LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | |
| RMRoS LROS (Lloyds register of shipping) DNV UKCA | | |
| LROS (Lloyds register of shipping) DNV UKCA Compatibility Code LC1F | | |
| DNV UKCA Compatibility Code LC1F | | |
| UKCA Compatibility Code LC1F | | |
| | | |
| Control Circuit Type AC 40400 Hz | Compatibility Code | LC1F |
| AC 40400 Hz | | |
| | Control Circuit Type | AU 40400 MZ |

Environment

| Ip Degree Of Protection | IP20 front face with shrouds IEC 60529 IP20 front face with shrouds VDE 0106 |
|--|---|
| Protective Treatment | тн |
| Ambient Air Temperature For Operation | 23131 °F (-555 °C) |
| Ambient Air Temperature For Storage | -76176 °F (-6080 °C) |

| Permissible Ambient Air Temperature Around The Device | -40158 °F (-4070 °C) |
|--|--------------------------------------|
| Height | 8.11 in (206 mm) |
| Width | 8.39 in (213 mm) |
| Depth | 8.62 in (219 mm) |
| Operating Altitude | 9842.52 ft (3000 m) without derating |
| Net Weight | 18.96 lb(US) (8.6 kg) |

Ordering and shipping details

| Category | US10I1222336 |
|-------------------|---------------|
| Discount Schedule | 0112 |
| Gtin | 3389110460278 |
| Returnability | No |
| Country Of Origin | CZ |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|--------------------------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 10.04 in (25.5 cm) |
| Package 1 Width | 9.37 in (23.8 cm) |
| Package 1 Length | 11.54 in (29.3 cm) |
| Package 1 Weight | 20.52 lb(US) (9.307 kg) |
| Unit Type Of Package 2 | P06 |
| Number Of Units In Package 2 | 10 |
| Package 2 Height | 30.31 in (77.0 cm) |
| Package 2 Width | 31.50 in (80.0 cm) |
| Package 2 Length | 23.62 in (60.0 cm) |
| Package 2 Weight | 223.99 lb(US) (101.6 kg) |

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM 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-CO₂ 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 |